MINING journal VOL.292

AND

MINING magazine VOL.140

INDEX

1979

JANUARY-JUNE

CONTENTS

Metals and Minerals	Page 1
Countries	Page 4
Methods and Machines	Page 7
Companies and Other Public Bodies	Page 9

INDEX CLASSIFICATION

A	Article	L	Letters	N	Notes and Comments
D	Mining Digest	M	Methods and Machines	O	Obituaries
E	Editorial	ME	Company Meetings	P	Panorama
H	Highlights	MF	Mining Finance	R	Book Reviews
IA	Industry in Action	MW	Mining Week	S	Metal Markets

This combined index covers the complete editorial content of both Mining Journal and Mining Magazine. Additional copies may be obtained from the Subscription Department.

Metals and Minerals

ALUMINIUM

Second Phase at Grande Baie IA J010
Gladstone expansion - decision deferred IA J012
San Ciprian on stream IA J013
Aluminium to lead the way? MW J026
Grant for Japanese aluminium smelters IA J030
Gladstone participants IA J045
Aluminium in demand S J070
Japan starts capacity rationalisation MW J081
Indonesia shelves Bintan MW J081
Malaysian aluminium smelter go-ahead IA J087
Indian alumina decision awaited IA J088
Aluminium Pechiney expansion IA J089
Finance for Dubal IA J108
Guyana alumina for Brazil IA J109
Aluminium firmer S J110
Anglesey smelter plans shelved IA J125
Indonesian Al_2O_3 plant re-siting IA J142
Norsk Hydro seeks Al expansion IA J143
Saudi Arabia buys into Alba IA J143
Aluminium gains further ground S J146
Non-ferrous master plan MW J157
Delay for Alwest IA J162
More U.S. restarts IA J162
Aluminium quiet S J165
Hindustan Aluminium withdrawal IA J186
Corpus Christi reduction plant IA J187
New mines, old problems MW J201
Alcan acquires Al smelter in W. Germany IA J206
Financing for Alumax IA J225
Hoyanger expansion IA J226
Aluminium in demand S J228
Alcan on the impact of power costs MW J243
More Texas Al potline reactivations IA J249
Alba to sell by tender IA J249
Aluminium in demand S J251
Aluminium falls back S J274
Alcoa's second Al smelter in Victoria IA J287
Japan: more aluminium cutbacks IA J288
Aluminium doldrums S J291
Obrovac operational IA J306
Aluminium ABC MW J319
Rising aluminium output IA J328
Jamaican alumina sales to U.S.S.R. IA J329
Aluminium follows the market S J331
Norway: Al performance set to improve IA J351
Asahan contracts IA J352
Strong demand persists MW J366
Prefab Al smelter IA J371
Indian restraint on Al consumption IA J371
Alcoa lifts initial capacity at Wagerup IA J380
Indian Al imports IA J391
Alba capacity increase IA J413
Aluminium stocks decline S J415
Alcoa's new smelting process IA J428
April aluminium IA J429
Nickel and aluminium rally S J448
Finance for Cameroun Al expansion IA J465
Alumina from Mexican nepheline? IA J466
Aluminium sways to strikes and sterling S J468
Consolidated force majeure IA J487
Aluminium retreats S J488
Record Western world Al in May IA J503
Aluminium retreat continues S J506

ANTIMONY

Bolivian antimony below capacity IA J429

ASBESTOS

U.S. asbestos IA J162
More U.S.S.R. asbestos IA J187
Bretby closure IA J226
Asbestos for Comecon IA J226
Greece: asbestos from Zidan in 1980 IA J248
GD plans in case of asbestos takeover IA J288
More asbestos from Bosnia IA J371
From Cape to Transvaal MW J405

BARYTES

Yugoslav barytes mine IA J288

BAUXITE

Lower prices as capacity increases MW J007
Guyana bauxite industry shutdown? IA J088
Indonesia rejects Japanese bauxite price offer IA J089
New Venezuelan bauxite company IA J207
Colombian bauxite reserves IA J247
Guyana bauxite for GDR IA J249
Comalco slows Weipa improvements IA J270
Chinese bauxite shipment to U.S. IA J289
Hungarian bauxite problems IA J327
Jamaican re-think on levy MW J423
Colombian bauxite IA J465
E. Montgomery: inauspicious start MW J483
Costa Rica plans for bauxite IA J485
Loan for Pakistan bauxite project IA J503
Etibank's role in Turkish mining industry A M484

BORON

Etibank's role in Turkish mining industry A M484

CHROME

Chromite and nickel in PNG IA J206
Yugoslav chromite IA J350
S.A. ferrochrome boost IA J429
Etibank's role in Turkish mining industry A M484

COAL

Black Butte approval IA J011
Spanish lignite mine development IA J011
CIL 1979-80 target IA J013
Australian coal sale to Pakistan IA J013
Chile coal find IA J029
Arco and Shell coal projects IA J029
EEC coal subsidy? IA J029
Peruvian coal plan complete IA J030
Indonesian coal project progress IA J031
Spanish coal strike IA J031
Coal: too much is not enough N J037
Poland: achievements, problems MW J040
Miller pull out of Oaky Creek IA J045
Texasgulf buys coal co. IA J046
Progress at Selby IA J047
New Siberian coal mine IA J066
U.S. coal output down IA J068
Further progress at UK's Selby coalfield P M009
Red faces in the coal industry MW J083
Australian coal project IA J088
New Mexican coal mine IA J089
Kennecott sells Utah coal properties IA J089
Cutting the coal cake MW J104
D & M to assess Utah coal IA J107
Go-ahead for Oakbridge IA J108
Power complex for Alberta IA J108
Coal black comedy? MW J121
BP gets permission to buy out Clutha IA J124
Australian coal research grants IA J125
Coal pipelines in the U.S.S.R. IA J126
Mapco sales IA J126
Coal: stripping regulations MW J135
Zambian coal exploration IA J142
Coal liquefaction in Texas IA J143
Coal liquefaction in U.K. IA J143
More coal royalties for NSW government IA J144
Castor Bayou contract for Fluor IA J145
Japanese set to pay less for NSW more for domestic MW J157
Thiess steaming coal IA J163
N S W coal exports to Japan IA J187
Sharp decline in coal consumption MW J202
Indian coal IA J206
Coal liquefaction in Japan IA J206
Standard moves IA J206
More Polish coal mines IA J206
ABC moves into coal mining IA J207
Fording expansion IA J208
Elk River coal project approved MW J222
Queensland coal JV search IA J225
Coastal and Getty to develop Utah coal IA J225
Saskatchewan coal royalties IA J227
Kleinkopje officially opened MW J244
Colliery re-opening in the U.K. IA J248
It's an ill wind ... IA J249
Coal Creek plan approved IA J271
U.S. coal gasification IA J271
Utah coal study IA J271
Coal mining contract for Fairclough-Parkinson IA J272
Illinois coal for Inland IA J288
Sasol colliery details IA J288
U.K. government restricts coal imports IA J288

Vietnamese smokeless coal for Japan IA J290
Fresh incentive for coal MW J301
Three new coal projects IA J306
Krasnoyarsk coal potential IA J306
French coal production down IA J306
U.K. coal plans queried IA J328
Gujarat lignite production to double IA J328
Derby coal contract IA J328
Kleinkopje colliery officially opened P M298
Carbones de Colombia MW J343
Montana coal drilling IA J350
Carbon County financing fixed IA J351
Japan/China coal negotiations IA J351
Grootgeluk speed up IA J351
Total seeks Australian coal holding IA J351
Davy awarded contract to clean more coal IA J352
Looking at overseas coal MW J366
Invitations to explore in N.S.W. IA J370
Investment in Colombian coal IA J371
NSW's coking coal reserves MW J387
Loan for Australian coal loading facilities IA J391
What price captive coal? N J402
OECD recommendations on coal MW J407
Anthracite from Kempslust? IA J413
U.K. Opencast coal mining A M421
Coal evaluation in Southern Chile IA J428
Coal plans for 1979 MW J461
New hydrogen process MW J461
NSW government unlocks coal IA J466
Coal plans suffer setback MW J483
Coal in the Perth Basin IA J485
Indian coal development IA J486
Australia-Korea coal deal IA J486
Japan-Australia coal contract IA J487
More Chinese coking coal to Japan IA J487
Coal prep news IA J487
New style EIS IA J487
GSI ups coal reserves IA J502
Gold Fields coal project shelved IA J502
Soviet lignite plans IA J503
Denison coal to Romania IA J504
Colombia's ambitious coal plans P M483

COBALT

10-year cobalt-nickel deal IA J013
Zambian cobalt IA J047
Cobalt-nickel-gold prospect in Mexico IA J066
Japanese cobalt producers raise output IA J067
No Sherritt cobalt for U.S. customers IA J089
Dearer cobalt S J109
Nozacom cobalt exports 1978 IA J109
Queensland Nickel requests return cobalt shipments IA J126
DOI guarantee for Zambian cobalt deal IA J208
Blythwood extends Roman Corp. option IA J305
U.S. Justice Dept. looks at cobalt sales IA J329
Ontario cobalt IA J370
On the substitute trail MW J386
Plans for Kilembe IA J428
Outokumpu boost cobalt IA J429
Rustenburg's cobalt plant on stream IA J446

COLUMBIUM

Teck Corp. may expand Niobec IA J271
Niobec to expand MW J347
Quebec columbium mine to increase output P M482

COPPER

Chile: investment interest in copper MW J005
Arizona copper smelter shipments delayed IA J013
Copper quiet S J015
Chambishi pit closed IA J030
Copper takes the stage S J032
Copper maintains firm undertone S J049
Chuquicamata mill progress MW J061
An American view MW J063
Peruvian deposit potential IA J066
Work at Sar Chesmeh disrupted IA J066
Lubian modernisation IA J067
Philippines copper IA J067
Copper to the fore S J070
Two cheers for copper N J077
Holdings change at Namosi IA J087
Copper at Acandi IA J087
Benguet and Black Mountain pollution fines IA J089
Cerro Verde I: capacity in 1979 IA J089
Copper booms and breaks £900 S J091
Esso participation in Golden Grove approved IA J107
Copper tops £1,000 S J110
Cautious optimism on copper MW J122
Andacollo likely to go ahead IA J124
Japanese copper assistance IA J125
Andina recovering IA J125
Polish metal production in 1979 IA J125
Japanese Cu, Pb, Zn in 1978 IA J125
Indian copper tender IA J126
Copper reacts S J127
Chinese copper IA J149
Peko re-opening Tennant IA J143
Udokan: U.S.S.R. still seeks partners IA J143
Madeleine may re-open at Gaspe IA J143
Sabena start-up in Philippines IA J143
Gecamines Cu refinery stoppage IA J143
$1.00/lb copper in sight S J146
Sumatran copper/moly prospect IA J161
Report on El Teniente IA J163
Japanese copper IA J163
Renewed strength in copper S J165
U.S. copper initiative MW J177
SPCC copper IA J187
Bidding for Pelambres extended IA J187
Inspiration force majeure IA J188
Philippine copper sales IA J188
Copper at $1.00/lb for brief period S J189
Noranda buying Lakeshore MW J201
E E C policy rethink MW J203
Argentina copper-moly project IA J207
Arizona copper project review IA J207
Cuajone refining contract revision IA J208
Setback for copper S J209
Highmont mine likely IA J225
White to develop Queensland copper IA J226
Palo Verde on stream IA J226
Quebec copper mine to re-open IA J226
Chilean copper IA J226
Underground exploration Al Masane IA J227
Fresh advance in copper on the L.M.E. S J228
Environmental costs at White Pine MW J244
Second Cu, Zn, Pb, Ag orebody at Benambra IA J247
Copper deposit discovery in Chile IA J247
Chile to recover Cu, Mo from wastes IA J248
SPCC: force majeure on blister IA J249
Indian copper tender IA J249
Copper holds firm S J251
Plans for underground mining at Ertsberg P M201
Progress continues at Aggeneys A M206
The copper industry of the U.S.S.R. A M242
Cerro Colorado stirring MW J266
Production from Ruttan Lake IA J271
Setback for copper S J274
More on El Indio MW J284
Potrerillos reactivation IA J287
Granduc details IA J287
Copper mine on stream IA J288
Sumitomo to close copper IA J288
Zairean copper problems IA J289
Copper fluctuates S J291
Copper - price is the spur MW J299
BH South recommences CSA development IA J306
SPCC lifts force majeure IA J307
Copper unsettled S J309
Cultus Pacific and York at Benambra IA J327
Taiwan needs copper IA J329
Copper shaky S J331
Spain's Cerro Colorado expansion well underway P M295
The rising costs of base materials A M351
Christmas re-opening IA J351
Profit taking hits copper S J353
New loans for Cobriza expansion IA J370
Malanjkhand delay IA J371
Mokambo more likely IA J371
The lure of Chilean copper MW J385
Whim Creek acquires Mons Cupri IA J390
Philippines Cu supplies IA J391
Copper steadies S J393
Maine copper producer? IA J413
Zambian copper stranded IA J413
Japan's copper supplies IA J413
Copper consolidates S J415
Cerro Colorado, Panama, stirs P M393
Sherritt Gordon takes Ruttan underground P M395
Copper industry of the U.S.S.R. A M429
Caraiba copper schedule MW J423
Expansion at Chilean copper Mine IA J428
Precious metals peak again but copper takes a caning S J431
La Caridad inaugurated MW J439
Extension for Ok Tedi study IA J445
Belgian non-ferrous metals IA J446
Japan lifts copper embargo IA J447
Copper wavers S J448
Dowa's copper-lead-zinc deposit IA J465
Disputada re-opening in July IA J466
Late strength in copper S J468
SMTP ownership shuffle IA J486
Fourth Yugoslav copper mine IA J486
Full production for CDCP IA J486
Cathode from Battle Mountain IA J486
Bids for PASAR smelter IA J486
Copper seesaws S J488
Amacan underway MW J495
Lake Zone development soon? IA J502
Japanese copper, lead, zinc IA J504
Uncertainty for copper S J506
Etibank's role in Turkish mining industry A M484

DIAMONDS

Audimco progress IA J010
Diamonds break new records MW J023
Newmex buys diamond claims IA J066
"Big Rose" sold IA J068
Dampier joins W. Australia diamond search IA J087
Holdings change at Ashton IA J087
More W. Australia diamond prospecting IA J107
More Kimberley diamond explorations IA J124
Conex reconsiders IA J161
Indian diamond exports down IA J163
NT diamond search IA J185
C.A.E. diamond output IA J208
Dredging for diamonds IA J287
Australian diamonds IA J305
Mount Arthur's diamond search IA J327
Conex finalises Mt. Percy diamond claims swap IA J350
Diamonds at Copeton IA J350
Progress at Letseng-la-Terai MW J385
Excitement in W. Australia MW J407
Dampier joins Kimberley venturers IA J465
Yakutia diamond search IA J485
DJB for De Beers IA J504
Expansion at Letseng-la-Terai diamond mine P M479

FLUORSPAR

Mexican Fluorspar sales IA J249

GEMSTONES

Israeli gemstone sales IA J031
Gemstones in Kenya IA J066
Attack on gem "salting" in Australia IA J248
Australian rubies IA J502
A gemstones corporation in Pakistan IA J503

GOLD

Bolivian gold IA J011
British Columbia gold feasibility study IA J011
Canadian gold mine reopening IA J029
Record Krugerrand sales IA J030
Gold auction - record subscription S J049
S.A. 1978 gold output IA J068
Preliminary mining underway at Elandsrand P M009
Longos capacity reduced IA J088
East Malartic salvages gold mine IA J089
Elandsrand: the final milestone IA J108
Accident at Turk shaft IA J108
New Peaks in precious metals S J110
Gold rebounds S J127
Bored tunnel at Geduld IA J142
S. African gold production in January IA J144
Australian gold IA J161
Mobile pilot plant for Algerian gold IA J162
U.S. Treasury gold sale IA J163
Gold past its peak? N J173
Wanted: a mill in Colorado MW J179
Village Main dumps treatment IA J186
Gold in Nevada IA J206
Kiena investigates Malartic Gold IA J207
Cripple Creek up-date IA J208
Canadian Gold Maple Leaf IA J208
Gold in Quebec IA J225
Philippines gold IA J225
S.A. gold production IA J226
Ergo stutters MW J241
Plans afoot for new Quebec gold mine IA J247
Gold mine in the Northwest Territories IA J247
Modest rehabilitation at Fimiston IA J248
East Rand gold mines IA J249
Expansion programme for Campbell Red Lake IA J249
S.A. bullion theft IA J271
U.S. gold sale news jogs the LME S J309
S.A. gold output IA J328
Completion of first bored tunnel M M372
Quebec gold mine IA J350
Beisa to employ coconut shells IA J351
Chungu Valley gold IA J351
April Krugerrand sales up IA J372
IMF gold auction IA J372
Gold search at Ashburton IA J390
More gold for Central Norseman IA J412
Vigorous gold search in India IA J412
Ergo lists its problems MW J439
GSA gold auction IA J446
Gold: past, present and future N J457
Improving gold recovery MW J462
Go-ahead for Hope Gold IA J465
Indecision at Detour IA J465
May Krugerrand sales IA J467
S.A. gold in May IA J486
Heap leaching in Montana IA J504

INDIUM

Tobo to restart indium unit IA J466
MH O to recover In, Sb, Te IA J503

IRON

Indian iron ore for China IA J013
Al Jubail steelworks plan IA J046
Indian iron ore mines face slump IA J047
Loan for Trinidad steel plant IA J066
Cut in U.S.S.R. iron ore shipments? IA J068
Algeria's Gara Djebilet in sight? MW J079
New Chinese iron ore mines IA J108
CSR iron ore find IA J124
Italsider study in Madagascar IA J124
Finance for Mauritanian iron ore project IA J124
Finnish steel merger IA J125
Iron in the soul MW J139
Kudremukh uncertainty IA J142
Brazilian iron ore pellets to Trinidad IA J145
The Guelbs iron ore project in Mauritania D M188
Loan for Warri steel project IA J161
D-R in Quebec IA J162
Yugoslavian iron ore find IA J206
Deepdale study IA J207
D-R project launch in Thailand IA J207
Colombian sponge iron IA J226
Copperhill closure IA J226
Less Indian ore to Japan IA J227
Big U.S.S.R. iron ore find IA J247
Steel mill for Saudi Arabia IA J248
Exploration continues in Saudi Arabia P M203
Armco-Iscott iron ore deal IA J272
Iron ore: changing mix N J281
Steel industry evolution N J297
Indian steel production cutback IA J306
Japanese steelmakers agree Fe prices IA J307
Ore reserves estimation methods A M309
Soviet activity IA J350
Ljubija mine plan IA J351
Nouadhibou pellet plant IA J352
Mt. Newman calls force majeure IA J414
Kudremukh successor? IA J428
Pellets at Fire Lake IA J429
Brazil iron ore pellet plant inaugurated IA J429
Hamersley force majeure IA J446
More Soviet iron ore IA J467
Indian iron ore to Iraq IA J487
Iron ore exporters hope for better times MW J499
Cyclades iron ore IA J502
Korf plans DR at Beaumont IA J503

LEAD

New lead refinery at Trepca IA J011
Indian lead mine project IA J012
Lead bounded ahead S J015
Japan increasing Pb and Zn concentrate imports IA J031
Indian lead import tender IA J031
Low level stocks-lead still flies high S J032
Aggeneys ahead of schedule IA J046
Binsfeldhammer lead plant IA J047
Lead fails to maintain early advance S J049
1978 Pb and Zn production down IA J068
New advance for lead S J070
Lead and zinc strong S J091
Following the lead S J110
Uzbek lead-zinc IA J124
Cyprus Anvil Pb, Zn to U.S.S.R. IA J126
Lead in retreat S J127
Outlook for lead N J133
South African lead smelter project? IA J162
Japanese lead IA J163
Lead at new peak S J189
Asarco Pb force majeure IA J208
Lead breaks new ground S J209
Lead falls but zinc holds the line S J228
Lead deposits in Thrace IA J247
Hampton enters JV lead agreement IA J248
Fresh rise for lead S J251
Lead follows the leaders S J274
Usage in petrol declines MW J285
Lead/zinc quiet S J291
Lead declines S J309
MMTC seeks lead IA J329
Lead jumps S J331
Pb-Zn discovery in central Japan IA J350
Renewed lead shortage S J353
Lead and zinc firmer S J373
First quarter Pb output slips, zinc rises IA J391
Asarco's May Pb shipments IA J391
Lead-zinc steady S J393
Lead surges ahead S J415
Tara declares force majeure on lead IA J429
Lead eases S J431
Dowa plans new lead refining capacity IA J445
Rönnskär loss IA J446
Lead surges again S J448
Lead marches on S J468
Lead off the boil S J488
Lead slides further S J506

LITHIUM

Big lithium deposits in China IA J161

MAGNESITE

Magnesite mine in Nepal P M109

MANGANESE

Brazil to stop Mn exports? IA J013
Indian manganese royalties raised IA J030
Minerals development derailed? MW J103
Sinai ferromanganese IA J162
Mn shipments along Benguela IA J270
First Mn from Middelplaats IA J504

MERCURY

Fortunes improve but ...? MW J424

MICA

More SA mica IA J466

MOLYBDENIUM

Pipeline boost for Alice Arm MW J005
More moly from Arizona copper mines MW J041
More moly at Quartz Hill IA J045
Mt. Tolman moly grades IA J124
Less moly for Climax customers IA J126
Flotation reagent practice in moly recovery A M174
Newmont moly commitments IA J188
Problems of tight supply MW J221
1978 Chilean molybdenum IA J271
Dumagami moly plans IA J305
Questa contract IA J329
Thompson Creek moly IA J350
SPCC moly go-ahead IA J350
Easing the squeeze MW J460

NATURAL GAS

Soviet problems and prospects MW J181
Iranian-Soviet project doubtful MW J483

NICKEL

Exmibal shutdown continues IA J047
Gag smelter shelved? IA J088
Inco resumes price leadership MW J103
First Agnew nickel matte arrives in U.S. IA J144
Orissa nickel doubts IA J207
Falconbridge Nickel boost IA J207
Boost for nickel prices S J209
Inco monitors nickel orders IA J249
Nickel: Inco shields customers S J251
Pilot plant for nickel ores M M271
Nickel on the LME MW J265
Nickel contract unveiled S J274
IFC loan for Brazilian nickel venture IA J287
Nickel strengthens S J309
Romania takes nickel IA J329
Nickel's debut S J331
Continued interest in nickel S J353
Nombureom IA J370
Further nickel price rises S J373
Falconbridge contract for Ivory Coast nickel IA J390
Nickel firmer E J393
Nickel and cobalt in Sweden IA J412
Nickel gains ground S J415
Nickel tumbles S J431
Yugoslav Ni project IA J445
Early re-opening for Lockerby IA J446
Nickel and aluminium rally S J448
Nickel setback S J468
Cuban projects progress MW J481
Further fall for nickel S J488
Progress report on Agnew P M481

OIL

Third Canadian oil sands plant IA J012
Ashland drops oil shale project IA J012
Heavy oil recovery in southern Alberta IA J030
Oil shale mining IA J046
Utah oil shale project IA J066
Moroccan oil shale development IA J087
Colorado oil shale moves ahead MW J103
More oil from South African coal MW J156
Financing Sasol 2 IA J186
Weather puts a damper on oil production IA J226
Rio Blanco oil shale project P M201
Athabasca oil sands project acceleration IA J327
Rundle assessment IA J391
Need for leadership N J477
Market waits on OPEC S J506

PALLADIUM

Palladium and platinum in Montana IA J412

PHOSPHATE

Phosphate agglomeration start in U.S.S.R. IA J046
Florida phosphate lands dispute IA J108
Stuart Tract mine on-stream MW J156
Negev phosphates expansion IA J162
Pakistan phosphate survey IA J225
Spain in Peruvian phosphates IA J248
Amax phosphate rock pilot plant IA J249
Egypt: Abu Tartar plans IA J271
Happy Christmas IA J329
U.S. capacity forecast MW J385
Talking about Jordanian phosphate IA J391
Abu Dhabi aid for phosphates MW J461
Jorf Lasfar credit IA J485
Phosphorus for Russian fertilizers P M481

POTASH

APC awards major contract to Wimpey MW J007
Potash compaction plant at Zielitz IA J011
Lanigan producing again IA J047
Noranda buys out CF Industries IA J108
PCA may increase planned production IA J124
Geothermal potash for Mexico? IA J125
Jordan potash financing complete IA J225
Denison buys New Brunswick potash MW J241
Canadian potash sales up IA J250
Roof supports in Alsace potash mines D M377
Cory completions MW J441

PYRITE

Greek pyrite development? IA J486

RARE EARTHS

New U.S. rare earths plant IA J503

RUTILE

Mineral industry set for upswing MW J181
Sierra Rutile produces IA J446

SALT

Salt from Moszczenica IA J503

SILVER

Silvana silver IA J029
Asarco silver development IA J089
Silver breaks records S J091
India bans silver exports IA J144
Silver at new peak S J146
Silver mining at Las Torres A M110
Go-ahead for Sam Goosly IA J185
IFC in Peruvian Ag mining IA J208
El Indio investment IA J270
India's policy on silver exports clarified IA J272
Silver waits S J291
Real de Angeles go ahead IA J305
Real de Angeles: details IA J351
New surge for silver S J353
On the march MW J367
Silver sags S J468
DeLamar silver boost IA J486

SULPHUR

Egyptian sulphur study IA J465

TALC

Timmins talc IA J226

TANTALITE

Tantalite ore treatment IA J163

TIN

Tin lacks direction S J015
Tin undecided S J032
Canadian interest in Australian tin-gold property IA J045
Tin trades quietly S J049
Joint Malaysian tin venture IA J066
Tin dredging lease for Aokam IA J067
Indonesian tin production IA J089
More countries join tin agreement IA J089
Tin steady S J091
More OMO-Billiton negotiations IA J108
New Chinese tin-lead-zinc IA J108
Tin rallies S J110
Tin subsides S J127
Pacific pace-setters MW J137
Tin reacts less sharply S J146
Some finance for Wheal Jane IA J161
Bolivia's tin problems IA J162
Little change in tin S J163
Selangor forms two new tin companies MW J177
Fire damages dredge IA J186
Pumping continues at Wheal Jane IA J188
Stockpile Bill hits tin S J189
Tin dredge joint venture IA J207
Tin holds fast S J209
Increasing tin production MW J223
New dredge for Gopeng IA J227
Tin weakens S J228
Malaysian JV for tin IA J247
MTX joins Wheal Jane rescue bid IA J270
Bolivian tin mining concession IA J271
Asian tin producers to combat smuggling IA J271
Washington worries tin S J274
U.S. stockpile Bills: tin IA J288
Reaction in tin S J291
Queensland tin expansion IA J306
Tin loses ground S J309
More tin and tungsten from Thailand IA J328
ITC producers worry about U.S. tin sales IA J328
Ups and downs in tin S J331
Tin changes trend MW J345
Newmont & ICI with Great Northern IA J350
World tin output up 5.6% in '78 IA J351
Thai Pioneer orders tin smelter IA J352
Assays from Jingellic IA J370
LME fails to match Penang S J373
No tin from China IA J414
Bad year for Cornwall MW J424
Australian tin IA J429
Bolivian tin exports IA J429
Tin holds steady S J431
Another Penang by-pass MW J443
Doradilla drilling encourages IA J465
Wheal Jane: government stalls IA J466
More Soviet tin IA J467
Tin perks up S J488
New York tin held up IA J504
Tin rides high S J506

TITANIUM

Titanium find in Yugoslavia IA J247

TUNGSTEN

Moroccan tungsten agreement IA J029
Korea Tungsten Mining APT production IA J068
Photometric ore sorting at Mt. Carbine, Queensland A M028
Kennametal tungsten option sale IA J124
Cornish wolfram mine will not re-open IA J125
Chinese wolframite IA J142
BRGM-Portugal agreement IA J185
Minas de Borralha MW J202
International wolfram council IA J272
GSA tungsten sale IA J307
Hemerdon reserves doubled! IA J485
St. Joe pulls out of Torrington IA J485

URANIUM

Mapco uranium find at Mt. Prindle IA J010
Uranium find in India IA J010
Japan-Australia uranium enrichment IA J012
UF6 from phosphoric acid IA J013
Powerco-Newmont uranium search IA J029
Indian uranium IA J029
Uranium explorations in Utah IA J029
Ranger agreement signed IA J029
Durango tailings treatment suspended IA J030
Portuguese uranium IA J030
Uranium supply in question MW J039
Uranium export development MW J041
Midwest Lake reserves IA J045
Philippines uranium IA J045
Orphan reopening? IA J046
Australian, U.S. initiatives MW J059
Asamera plans IA J066
NERCO in Wyoming U project IA J066
Westinghouse accord with two companies IA J068
Fully operational at Sherwood project P M007
Environmental protection in underground uranium A M014
Start up at Cinch MW J081
Bigryli uranium reserves updated IA J087
Drilling at Collins Bay IA J087
Joint venture at Lake George IA J107
Yugoslav uranium mine IA J108
Bear Creek uranium sales IA J109
SA uranium still stalled MW J119
Uranium in Ghana IA J124
Ontario Hydro can borrow from Federal U stockpile IA J125
U.S.S.R. to enrich Agip U IA J126
Uranium supply case settlement IA J126
Lutpaards Vlei poised for restart MW J135
EEC uranium exploration IA J142
Western Nuclear sales IA J145
African uranium study H M184
U hunt reaches Nevada MW J158
Cogema to explore for uranium in Guyana IA J161
Key Lake acquisitions IA J161
Uranium find by Freemont IA J185
Libyan uranium IA J185
Nabarlek approval IA J185
Midwest lake mining decision IA J185
New mill at Lucky Mc IA J187
S.A. uranium in 1978 IA J187
General Atomic and Ranchers-HNG Oil MW J203
Uranium search in Philippines IA J206
Uranium search in Guinea IA J206
Nabarlek royalty IA J206
Reisa development IA J206
High uranium grades at old copper mine IA J225
Shell/Gulf settle uranium dispute IA J225
Uranium: protest on Orkney IA J226
Uranium, copper, zinc in Peru IA J247
Uranium, iron, copper, zinc in S. Korea IA J247
Uranium search in Saskatchewan IA J247
Mining lease for Nabarlek IA J248
Uranium refinery in Sudbury IA J248
Uranium contract dissolved IA J249
Nabarlek uranium; first from the post MW J267
Licence for United Nuclear project IA J270
South African uranium IA J271
Yeelirrie uranium sales in Japan IA J272
Jabiluka underground? MW J284
Uranium techniques study IA J287
Egyptian uranium authority IA J287
Zambia-Agip uranium agreement IA J287
Finland: domestic uranium production? IA J288
Uranium mines in Utah IA J288
Uranium for Atlas IA J305
Inco and Canadian Oxy find uranium IA J305
More uranium from phosphate rock IA J306
An embarrassment of riches? MW J319
Nabarlek uranium development approved P M295
Second Sabina U search IA J350
Mt. Taylor mill move IA J350
Asamera finds more uranium IA J370
More results from Inco-Canadian Oxy IA J370
Zambian uranium search IA J370
Aquitaine at Mount Bundy IA J370
Pancontinental consolidates in Canada IA J370
Eldorado: new U refinery IA J370
Agnew Lake still has problems IA J371
Open cut at Blizzard IA J390
More Westinghouse settlements IA J392
Atlas increases uranium reserves IA J412
More uranium exploration in Guyana IA J412
Uranium recovery at Afrikander Lease P M391
Underground mining suggested for Jabiluka P M393
Rio Algom expands plant at Elliott Lake A M396
More drilling at Lake Way IA J428
Niger uranium contract for Fluor IA J429
Another Zambian uranium agreement IA J465
Australia relaxing uranium equity regulations IA J466
Hoggar development IA J467
More on Michelin IA J485
Congo uranium hunt IA J485
SMDC at Cluff Lake IA J485
Approval for uranium expansion in Ontario IA J487
Vaal Reefs completes uranium expansion MW J495
Great Bear Lake uranium IA J502
Drilling in Eire IA J502
Westinghouse settlements IA J504
Uranium recovery as a by-product of copper D M555

ZINC

Navan zinc: diversionary tactics? MW J039
European zinc producer price increased E J049
1978 Pb and Zn production down IA J068
Zinc quietly firm S J070
Lead and zinc strong S J091
Third ISF for Japan IA J107
Zinc weakens S J127
Sale of Heath Steele interests IA J186
Thai zinc IA J207
Zinc strengthened by producer price rumours S J209
West MacDonald development? IA J225
Lead falls but zinc holds the line S J228
Hindustan Zinc IA J289
Lead/Zinc quiet S J291
Quebec Zn-Pb-Ag mine revival? IA J305
New zinc concentrator in India IA J306
Smaller zinc surplus forecast S J331
Eurozinc 1979 N J342
SLP zinc schedule IA J351
Zinc pressure leaching at Trail IA J371
Lead and zinc firmer S J373
Zn-Ag discovery in N.S.W. IA J390
Belledune refinery decision deferred IA J391
Lead-zinc steady S J393
The need for new zinc refineries MW J405
Zinc remains steady S J415
Jimberlana: a prospect in Indonesia IA J428
Azmalcollar on stream MW J460
Korean zinc check IA J486
Outlook for zinc A M525

ZIRCONIUM

Japanese zirconium plant IA J067

Countries

AFGHANISTAN

Soviet equipment for Kabul IA J087

ALGERIA

Algeria's Gara Djebilet in sight? MW J079
Mobile pilot plant for Algerian gold IA J162
Algerian gold testing H M367
Hoggar development IA J467
Gara Djebilet contract IA J486

ANGOLA

Benguela meeting IA J125
Benguela deliberations MW J321
Angolan mineral development IA J413
Western countries raise funds for Benguela IA J485

ARGENTINA

Argentina-W. Germany agreement IA J046
Argentina copper-moly project IA J207
Argentine mineral exports IA J289

AUSTRALIA

Audimco progress IA J010
Beaconsfield beckons IA J010
Gladstone expansion - decision deferred IA J012
Australian coal sale to Pakistan IA J013
Ranger agreement signed IA J029
Ore to metal without smelting? IA J030
Australia disagrees with IBA IA J030
Mineral pragmatism in Canberra MW J039
Canadian interest in Australian tin-gold property IA J045
Miller pulls out of Oaky Creek IA J045
Australian, U.S. initiatives MW J059
Australia to use Landsat data IA J066
Newmex buys diamond claims IA J066
ANL to commission two bulk carriers IA J067
Big order for Blackwood Hodge IA J069
Goonyella belt conveyor IA J069
Photometric ore sorting at Mt. Carbine, Queensland A M028
Australian ruby find H M081
Australian aluminium H M081
New uranium search H M081
Australian vanadium H M081
Dampier joins W. Australia diamond search IA J087
Holdings change at Ashton IA J087
Bigryli uranium reserves uprated IA J087
Australian coal project IA J088
Esso participation in Golden Grove approved IA J107
More W. Australian diamond prospecting IA J107
Go-ahead for Oakbridge IA J108
Less Aboriginal land power? IA J109
Australian base metal projects moving MW J119
CSR iron ore find IA J124
More Kimberley diamond explorations IA J124
BP gets permission to buy out Clutha IA J124
Australian coal research grants IA J125
Mining revenue 1977-78 MW J137
Peko re-opening Tennant IA J143
More coal royalties for NSW government IA J144
First Agnew nickel matte arrives in U.S. IA J144
AIMEX '79 A M141
Australian government agrees to Ranger H M183
NCL Ok's Narbarlek H M183
Gladstone smelter go-ahead soon? H M183
Australian tin H M183
NSW coal H M183
Blair Athol ownership change H M183
Conex reconsiders IA J161
Australian gold IA J161
Thiess steaming coal IA J163
NT diamond search IA J185
Nabarlek approval IA J185
Yeelirrie environmental clearance IA J185
Australian H_2SO_4 IA J186
N S W coal exports to Japan IA J187
Western Selcast and MIM at Teutonic Bore IA J206
Nabarlek royalty IA J206
Deepdale study IA J207
Utah in Queensland IA J207
Benison expansion IA J207
Coal loading strike IA J208
High uranium grades at old copper mine IA J225
Queensland coal JV search IA J225
White to develop Queensland copper IA J226
Australia reviews Heritage Act IA J226
Mixed rends in 1978 MW J243
Second Cu, Zn, Pb, Ag orebody at Benambra IA J247
Mining lease for Nabarlek IA J248
Attack on gem 'salting' in Australia IA J248
Hampton enters JV lead agreement IA J248
Modest rehabilitation at Fimiston IA J248
N S W coal loader strike ends IA J250
Koongarra mining plans H M265
Australian diamonds H M265
N S W coal approvals H M265
Nabarlek uranium: first from the post MW J267
Another N S W coal loader strike IA J273
Jabiluka underground? MW J284
Dredging for diamonds IA J287
Fraser Island sands controversy IA J288
Coal loader strike continues IA J290
Australian diamonds IA J305
Queensland tin expansion IA J306
WKU may clear contract IA J307
Aluminium ABC MW J319
Looser reins for exporters MW J323
Cultus Pacific and York at Benambra IA J327
Mt. Arthur's Diamonds Search IA J327
N S W coal loader strike ends IA J329
Nabarlek uranium development approved P M295
Tennant Creek smelter to re-open H M363
Japan to develop Australian coal? H M363
Yeelirrie approvals H M363
Major iron ore find? H M363
Diamond prospect H M363
Newmont & ICI with Great Northern IA J350
Conex finalises Mt. Percy diamond claims swap IA J350
Diamonds at Copeton IA J350
Total seeks Australian coal holding IA J351
Equity problems at Yeelirrie IA J352
Australian unions against uranium mining IA J352
AMIC states case MW J367
Assays from Jingellic IA J370
Invitations to explore in N S W IA J370
Aquitaine at Mount Bundy IA J370
Australian sales to South Korea IA J372
NSW's coking coal reserves MW J387
Zn-Ag discovery in N S W IA J390
Gold search at Ashburton IA J390
Esso in another Australian U search IA J390
Whim Creek acquires Mons Cupri IA J390
Rundle assessment IA J391
Loan for Australian coal loading facilities IA J391
Excitement in W. Australia MW J407
Bechtel to design and construct Gladstone smelter IA J414
Mt. Newman calls force majeure IA J414
Underground mining suggested for Jabiluka P M393
Work starts at Nabarlek H M445
Cyclone halts salt mine H M445
Another uranium find H M445
High-grade copper mine project H M445
Alcoa plans Al smelter H M445
Comalco slows Weipa project H M445
More drilling at Lake Way IA J428
Australian tin IA J429
Kaiser sells Hamersley interest IA J445
Japanese interests in Blair Athol IA J445
Dampier joins Kimberley venturers IA J465
Metals Exploration buys Nepean IA J466
Australia relaxing uranium equity regulations IA J466
NSW government unlocks coal IA J466
Pilbara stoppage IA J467
Alcoa of Australia new smelter in Portland MW J481
Coal in the Perth Basin IA J485
St. Joe pulls out of Torrington IA J485
Australia-Korea coal deal IA J486
Sibeka back in W A IA J502
Australian rubies IA J502
One-day strike in Australia IA J504
Mt. Newman mining again IA J504
Progress report on Agnew P M481
Aquitaine at Mt. Bundy H M549
Expansion by AMC H M549
Australian aluminium boost H M549
Queensland coal search H M549

BELGIUM

More uranium from phosphate rock IA J306
Belgian non-ferrous metals IA J446
Sudan-Belgium project IA J485

BOLIVIA

Bolivian gold IA J011
Bolivian government orders wage rises IA J031
Uneasy year ahead for Bolivia N J098
U.K. aid to Bolivia IA J144
Aid for Bolivian miners H M182
Bolivia's tin problems IA J162
Bolivian tin smelting H M269
Prospecting in Bolivia IA J270
Bolivian tin mining concession IA J271
Pelham makes Bolivian acquisitions IA J288
Tin plant damaged H M364
Aid for Bolivian mining H M364
Bolivia: FNEM's 18 projects IA J428
Bolivian antimony below capacity IA J429
First quarter Bolivian tin exports IA J429

BOTSWANA

Botswana survey results H M083
Botswana minerals production IA J125
Trans-Kalahari railway? H M267
New shaft for Selebi Pikwe H M267
Falconbridge in Botswana IA J390

BRAZIL

Brazil to stop Mn exports? IA J013
Shell joins Valesul H M081
Brazilian iron ore pellets to Trinidad IA J145
Non-ferrous master plan MW J157
Shell takes 35% share in Valesul IA J186
Krupp contract for gasification in Brazil IA J250
Brazilian gold find H M269
U.S. objections to Brazilian imports MW J267
IFC loan for Brazilian nickel venture IA J287
World Bank loan for Brazilian smelter H M446
Coal gasification in Brazil H M446
Caraiba copper schedule MW J423
Brazil iron ore pellet plant inaugurated IA J429
Iron ore exporters hope for better times MW J499

BULGARIA

Bulgaria-Mexico JVs? IA J413

BURUNDI

Somiburom IA J370
Qatar dimes for Burundi nickel? IA J428

CAMEROUN

Aluminium to lead the way? MW J026
Finance for Cameroun Al expansion IA J465

CANADA

Pipeline boost for Alice Arm MW J005
Resource tax study MW J007
Nova Scotia minerals find IA J010
Selco to go it alone at Detour? IA J010
Second Phase at Grande Baie IA J010
Key Lake environmental statement filed IA J011
British Columbia gold feasibility study IA J011
Third Canadian oil sands plant IA J012
No lay-offs at Port Colbourne IA J014
Uranium mines can invoke Canadian labour code IA J014
Falconbridge nickel boost MW J023
Silvana silver IA J029
Canadian gold mine reopening IA J029
Heavy oil recovery in southern Alberta IA J030
Inco and Noranda talks resume IA J031
Uranium export development MW J041
Midwest Lake reserves IA J045
Canadian Mn plant deaths IA J048
Asamera plans IA J066
Canadian aid for Philippines IA J066
Talks break down at Gaspe IA J069
Toronto '78 A M041
Start up at Cinch MW J081
Drilling at Collins Bay IA J087
East Malartic salvages gold mine IA J089
Amax in Key Lake area IA J107
Joint venture at Lake George IA J107
Power complex for Alberta IA J108
Tough labour problems now and to come MW J121
PCA may increase planned production IA J124
Ontario Hydro can borrow from Federal U stockpile IA J125
Gibraltar strike settlement IA J126
Shell in Nova Scotia IA J142
Quebec mineral search IA J142
Madeleine may re-open at Gaspe IA J143
Strike at Endako IA J144
Upturn for Falconbridge H M182
Go-ahead for Grande Baie stage 2 H M182
Lanigan resumes mining H M182
Shell boosts B.C. coal spending H M182
Base metals find H M182
Progress for Stanleigh H M182
Key Lake acquisitions IA J161
D-R in Quebec IA J162
Go-ahead for Sam Goosly IA J185
Midwest Lake mining decision IA J185
Esso to operate Granduc property IA J186
Sale of Heath Steele interests IA J186
Inco cancels summer shut-down plans IA J187
Kiena investigates Malartic Gold IA J207
Fording expansion IA J208
Canadian Gold Maple Leaf IA J208
Elk River coal project approved MW J222
Gold in Quebec IA J225
James Bay Lowlands open for exploration IA J225
West MacDonald development? IA J225
Highmont mine likely IA J225
Quebec copper mine to re-open IA J226
Timmins talc IA J226
Weather puts a damper on oil production IA J226
Saskatchewan coal royalties IA J227
Plans afoot for new Quebec gold mine IA J247
Gold mine in the Northwest Territories IA J247
Uranium search in Saskatchewan IA J247
Uranium refinery in Sudbury IA J248
Expansion programme for Campbell Red Lake IA J249
Canadian potash sales up IA J250
New Brunswick mining activity boom H M267
Exploration increases in 1978 MW J266
Quebec budget encourages exploration IA J270
Noranda-Zapata deal falls through IA J270
Barytes at Buchans? IA J271
Japan buys Canadian coking coal IA J272
Quebec activity 1979 IA J287
Granduc details IA J287
GD plans in case of asbestos takeover IA J288
Canadian Copper Refiners settle IA J290
Bell expansion plans IA J305
Quebec Zn-Pb-Ag mine revival? IA J305
Dumagami moly plans IA J305
Shipping facility for Gay's River IA J306
Mineral search in Newfoundland/Labrador IA J327
MG in Canada IA J327
Lornex expansion? IA J327
Athabasca oil sands project acceleration IA J327
New mine for Highland Valley, B.C. IA J328
Ore reserve estimation methods A M300
Australia disagrees at Kidd Creek A M318
Ag/Au Mine go ahead H M363
Alberta oil sands H M363
Mining wants less taxation, more construction MW J345
Niobec to expand MW J347
Quebec gold mine IA J350
Asamera finds more uranium IA J370
More results from Inco-Canadian Oxy IA J370
Pancontinental consolidates in Canada IA J370
Deadline for General Dynamics IA J370
Ontario cobalt IA J370
Zinc pressure leaching at Trail IA J371
Indusmin silica plans IA J371
Agnew Lake still has problems IA J371
Nippon to import Canadain Al IA J372
More work in British Columbia IA J390
Open cut at Blizzard IA J390
Belledune refinery decision deferred IA J391
Noranda's small mines IA J391
The need for new zinc refineries MW J405
Brinco plans full-scale operation IA J412
Sherritt Gordon takes Ruttan underground P M395
Rio Algom expands plant at Elliot Lake A M396
Canadian gold projects H M447
Lakeshore to reopen H M447
Alberta coal project H M447
Prospecting in Ottawa H M447
Canadian uranium hunt H M447
Manitoba mining tax cuts IA J428
Pellets at Fire Lake IA J429
Metallgesellschaft to smelt for Yava IA J429
S.A. fans for Canada IA J430
Cory completions MW J441
Early re-opening for Lockerby IA J446
Go-ahead for Hope Gold IA J465
Indecision at Detour IA J465
Asbestos Corp. expropriation legislation proceeds IA J466
B.C. longshoremen's strike affects potash, sulphur IA J467
Return to work at Gaspe after seven months IA J467
More on Michelin IA J485
SMDC at Cluff Lake IA J485
Approval for uranium expansion in Ontario IA J487
Great Bear Lake uranium IA J502
Sabina has confidence in Bathurst IA J502
Lake Zone development soon? IA J502
Mine methane to provide cheap heating? IA J503
Asbestos Corp: the fight goes on IA J503
Inco start-up on schedule IA J504
Denison coal to Romania IA J504
Quebec columbium mine to increase output P M482
Otish Mt. encouragement H M545
Pressure leaching at Trail H M545
Results from Inco/COP H M545
Newfoundland, Labrador exploration H M545
Sumitomo at Kutcho Creek? H M545
James Bay Lowlands open to exploration H M545
Granduc to reopen? H M545
Rock salt mine expands H M545
Quebec study H M545

CENTRAL AFRICAN EMPIRE

C.A.E. diamond output IA J208

CHILE

Chile: investment interest in copper MW J005
Chile coal find IA J029
El Indio. design bids invited IA J046
Chuquicamata mill progress MW J061
Chile gold/silver find H M081
Disputada to rebuild concentrator H M081
Andacollo likely to go ahead IA J124
Andina recovering IA J125
Floods hit Chilean mine H M182
Chilean mine to reopen H M183
Report on El Teniente IA J163
Bidding for Pelambres extended IA J187
Chilean copper IA J226
Copper deposit discovery in Chile IA J247
Chile to recover Cu, Mo from wastes IA J248
Chile coal find H M260
El Indio investment IA J270
1978 Chilean molybdenum IA J271
More on El Indio MW J284
Potrerillos reactivation IA J287
Labour unrest in Chile IA J290
Chilean/Nicaraguan boycott IA J307
Exxon selects Parsons IA J307
The lure of Chilean copper MW J385
Chilean mineworkers seek more pay IA J414
More ore for Potrerillos, Chile H M446
Go-ahead for El Indio H M446
Coal evaluation in Southern Chile IA J428
Expansion at Chilean copper mine IA J428
Falconbridge and Superior in Chile IA J445
Chilean progress IA J445
Disputada re-opening in July IA J466
Uranium recovery as a by-product of copper D M555

CHINA

U.S. Steel signs billion $ mining deal MW J023
Ore to metal without smelting? IA J030
Chinese order for Japan IA J030
Japan in China coal plan? IA J046
U.K. mining mission to China IA J046
Chinese order for Euclid IA J048
Chinese order for Aveling Barford IA J048
Chinese orders for Finland IA J069
Chinese orders for the U.K. IA J069
Mineral sales: key for China - U.K. agreement MW J101
Record Chinese trade with Japan MW J101
New Chinese tin-lead-zinc IA J108
New Chinese iron ore mines IA J108
China contract for BICC IA J109
More on Fluor - China contract MW J121
Chinese copper IA J142
Chinese wolframite IA J142
China's drive to boost mineral output P M105
Chinese bauxite find H M184
Chinese nodules find H M184
Big lithium deposits in China IA J161
Turkish chromite for China IA J163
U.K.-China agreement IA J188
Fluor in China IA J227
U.K proposals on Chinese metalliferous developments P M205
China orders gold dredgers from MTE IA J272
Chinese bauxite shipment to U.S. IA J289
Revising terms MW J321
China buys gold dredges H M364
China seeks increased copper from Philippines IA J372
No tin from China IA J414
Chinese iron ore find H M448
Tibetan resources IA J445
China revives Japanese Al smelter contract IA J467
More Chinese coking coal to Japan IA J487
Japanese mission to China IA J503

COLOMBIA

Finance for Cerro Matoso E M081
Copper at Acandi IA J087
Colombian sponge iron IA J226
Colombian bauxite reserves IA J247
U.N. grant for Colombian coal IA J249
Carbones de Colombia MW J343
Investment in Colombian coal IA J371
French credit for Cerro Matoso IA J413
Developments in Colombia H M446
Colombian bauxite IA J465
Coal plans suffer setback MW J483
Colombia's ambitious coal plans P M483

CONGO

Congo uranium hunt IA J485

COSTA RICA

Costa Rica plans for bauxite IA J485

CUBA

Czech equipment for Los Camariocas, Cuba IA J031
Cuban projects progress MW J481

CZECHOSLOVAKIA

Czech equipment for Los Camariocas, Cuba IA J031
Growing energy problems MW J441

DOMINICAN REPUBLIC

Rosario Dominicana to pay higher taxes IA J144
Dominican survey off H M183
Falconbridge nickel boost IA J207
Dominican Republic: 1978 figures IA J371

DUBAI

Finance for Dubai IA J108

ECUADOR

Ecuador metals search IA J206
Ecuador iron ore H M364

EGYPT

Egyptian smelter plan H M184
Egyptian phosphate H M184
Egypt: Abu Tartar plans IA J271
Egyptian uranium authority IA J287
Sinai ferromanganese H M365
Egyptian phosphate H M448
Egyptian sulphur study IA J465

EIRE

Navan zinc: diversionary tactics MW J039
An energy province? MW J121
Hunting in Ireland IA J327
Anglo United drilling in Eire IA J350
Drilling in Eire IA J502

EL SALVADOR

Search in El Salvador IA J485

FINLAND

Chinese orders for Finland IA J069
Finnish cobalt refining H M083
Finnish steel merger IA J125
Finland: domestic uranium production? IA J288
Finnish chromite find H M448
Philippines order for Finnish group IA J446

FRANCE

Inventory for French non-energy mineral resources D M091
Iron in the soul MW J139
Indonesia-France agreement IA J142
Quebec mineral search IA J142
Fire halts production at Sandouville IA J162
French coal production down IA J306
French steel strike IA J307
Roof supports in Alsace potash mines D M377
Japan pays in advance for French uranium IA J352
French credit for Cerro Matoso IA J413

GABON

Mineral development derailed? MW J103

GERMANY (EAST)

Potash compaction plant at Zielitz IA J011
It's an ill wind ... IA J249

GERMANY (WEST)

Argentina-W. Germany agreement IA J046
Ashland Chemical Co. sold IA J067
New U.S.-W. German venture IA J069
Alcan acquires Al smelter in W. Germany IA J206
Jordan railway contract for W. Germany IA J249
Giant bucket wheel excavators M M272
Stockpiling finds favour MW J319
High technology at Hanover trade show M J325
Finance for W. German stockpiles IA J371
Alcan buys Al smelter H M448
Recent developments in West German blasting techniques D M465
More Polish copper to West Germany IA J447
W. German strategic stockpiles IA J503

GHANA

Uranium in Ghana IA J124
Raise boring at Ghana gold mine reduces costs M M185
Ghana uranium H M967

GREECE

Lead deposits in Thrace IA J247
Greece: asbestos from Zidan in 1980 IA J248
Greek pyrite development? IA J486
Cyclades iron ore IA J502

GREENLAND

Amdel analysers IA J047

GUATEMALA

Exmibal shutdown continues IA J047

GUINEA

Uranium deal for Guinea H M184
Uranium search in Guinea IA J206

GUYANA

Guyana bauxite loan H M082
Guyana bauxite industry shutdown? IA J088
Guyana alumina for Brazil IA J162
Cogema to explore for uranium in Guyana IA J161
Guyana bauxite for GBR IA J249
Guyana uranium hunt H M364
More uranium exploration in Guyana IA J412
E. Montgomery: inauspicious start MW J483

HONDURAS

Rosario strike IA J144

HUNGARY

Obrovac operational IA J306
Hungarian bauxite problems IA J327
Hungary-U.K. coal study IA J414
U.K.-Hungarian coal study H M547

INDIA

Uranium find in India IA J010
India-Thailand offshore mining venture IA J010
Indian lead mine project IA J012
CIL 1979-80 target IA J013
Indian iron ore for China IA J013
Indian uranium IA J029
Indian manganese royalties raised IA J030
Indian lead import tender IA J031
Helium surveys in India IA J045
Indian iron ore mines face slump IA J047
MMTC seeks copper IA J068
Indian magnesite find H M083
Indian alumina decision awaited IA J088
U.K. to study longwall working in India IA J089
Indian copper tender IA J126
Kudremukh uncertainty IA J142
India bans silver exports IA J144
Indian lead project H M184
Indian diamond exports down IA J163
India-Indonesia sales IA J163
Hindustan Aluminium withdrawal IA J186
Indian coal IA J206
Orissa nickel doubts IA J207
Marked reduction in metal imports MW J222
Indian monazite find IA J225
Less Indian iron ore to Japan IA J227
Indian copper tender IA J249
Indian minerals value up in 1978 IA J271
India's policy on silver exports clarified IA J272
Hindustan zinc IA J289
New zinc concentrator in India IA J306
Three new coal projects IA J306
Indian steel production cut-back IA J306
Indo-Soviet accord N J317
Gujarat lignite production to double IA J328
MMTC seeks lead IA J329
Indian coal find H M365
Malanjkhand delay IA J371
Indian restraint on Al consumption IA J371
Indian Al imports IA J391
Vigorous gold search in India IA J412
Kaiser sells out of Hindalco IA J413
Indian nickel find H M448
Kudremukh successor? IA J428
India: increased metals production IA J429
India-Iran talks on Kudremukh proposed IA J445
Indian coal development IA J486
Indian iron ore to Iraq IA J487
India needs more aluminium H M549
Indian chrome plant planned H M549

INDONESIA

Indonesian coal project IA J031
Indonesia shelves Bintan MW J081
Gag smelter shelved? IA J088
Indonesian tin production IA J089
Indonesia rejects Japanese bauxite price offer IA J089
Indonesia-France agreement IA J142
Indonesian Al_2O_3 plant resiting IA J142
Indonesia mining targets for 1979/83 H M184
Sumatran copper/moly prospect IA J163
Inco Indonesia IA J162
India-Indonesia Sales IA J163
Tin-dredge joint venture IA J207
Plans for underground mining at Ertsberg P M201
Indonesia dredge contract for MTE IA J329
Copper/moly in Sumatra H M364
Asahan contracts IA J352
Indonesian overview N J421
Jimberlana: a propsect in Indonesia IA J428
Indonesian report H M547
Indonesian chrome interest H M549

IRAN

Outlook for '79 - wait for Iran N J001
Work at Sar Cheshmeh disrupted IA J066
The Iranian crunch N J117
Sar Cheshmeh disrupted H M265
India-Iran talks on Kudremukh proposed IA J445
Iranian-Soviet project doubtful MW J483
Good news, bad news MW J497
No news MW J499

ISRAEL

Israeli gemstones sale IA J031
Israel-S.A. coal deal IA J047
Sinai ferromanganese IA J162
Negev phosphates expansion IA J162

ITALY

ENI reorganisation IA J066
U.K. - Italian coal research H M184
Samin plans IA J391

IVORY COAST

Falconbridge contract for Ivory Coast nickel IA J390

JAMAICA

New mines, old problems MW J201
Jamaican alumina sales to U.S.S.R. IA J329
Jamaican re-think on levy MW J423

JAPAN

U.S.-Japan coal research IA J012
Japan-Australia uranium enrichment IA J012
Grant for Japanese aluminium smelters IA J030
Chinese order for Japan IA J030
Japan increasing Pb and Zn concentrate imports IA J031
Slight fall in growth foreseen MW J042
Japan in China coal plan? IA J046
Japanese zirconium plant IA J067
Japanese aid for Pakistan coal mine? H M083
Japanese cobalt producers raise output IA J067
Japan starts capacity rationalisation MW J081
Dowa to open in October? IA J088
Record Chinese trade with Japan MW J101
Third ISF for Japan IA J107
U.S.-Japan atomic energy talks IA J109
Japanese copper assistance IA J125
Japanese Cu, Pb, Zn in 1978 IA J125
Queensland Nickel requests return cobalt shipments IA J126
Japan extends buy-back IA J126
Japanese set to pay less for NSW more for domestic MW J157
Tantalite ore treatment IA J163
Japanese copper IA J163
Japanese lead IA J163
Sharp decline in coal consumption MW J202
Coal liquefaction in Japan IA J206
Yeelirrie uranium sales in Japan IA J272
Japan buys Canadian coking coal IA J272
Japan; more aluminium cutbacks IA J288
Japanese steelmakers agree Fe prices IA J207
Japanese tantalite plant on stream H M365
Pb-Zn discovery in central Japan IA J350
Japan/China coal negotiations IA J351
Japan pays in advance for French uranium IA J352
Japan buys less Soviet iron ore IA J352
Looking at overseas coal MW J366
Japanese credits for Yugoslav projects IA J371
Japan's copper supplies IA J413
Japanese interests in Blair Athol IA J445
Japan lifts copper embargo IA J447
China revives Japanese Al smelter contract IA J467

Japan-Australia coal contract IA J487
Japanese mission to China IA J503
A Tokyo metal exchange? IA J503
Japanese copper, lead, zinc IA J504

JORDAN

Soviet team to develop Jordanian phosphates IA J030
Jordan phosphates H M083
Jordan potash financing complete IA J225
Jordan railway contract for W. Germany IA J249
Talking about Jordanian phosphate IA J391

KENYA

Kenyan geophysical survey IA J045
Gemstones in Kenya IA J066
Kenya's search for base metal deposits P M107

KOREA

R.O.K.; thriving N J021
S. Korea stockpile plan IA J163
Uranium, iron, copper, zinc in S. Korea IA J247
Australian sales to South Korea IA J370
Korean zinc check IA J486

KUWAIT

Kuwait loan for Tunisian phosphate IA J226

LESOTHO

Progress at Letseng-la-Terai MW J385
Expansion at Letseng-la-Terai P M479

LIBYA

Libyan uranium IA J185

MADAGASCAR

Italwider study in Madagascar IA J124
Madagascar iron ore H M367

MALAYSIA

Joint Malaysian tin venture IA J066
Malaysian/aluminium smelter go-ahead IA J087
Selangor forms two new tin companies MW J177
New dredge for Gopeng IA J227
Malaysian JV for tin IA J247
Go ahead for Malaysian Al smelter H M265
Malaysian metals search IA J270
Asian tin producers to combat smuggling IA J271
OPEC price rises hit Malaysian gravel pump miners IA J306
Tin changes trend MW J345
Malaysia exploration H M448
Another Penang by-pass MW J443

MAURITANIA

Finance for Mauritanian iron ore project IA J124
Internationalisation of SNIM IA J143
Mauritanian iron ore H M184
The Guelb's iron ore project D M188
Nouadhibou pellet plant IA J352

MEXICO

Mexico revisited N J002
Cobalt-nickel-gold prospect in Mexico IA J066
Loan for Mexican miner H M082
Geothermal potash for Mexico? IA J125
Silver mining at Las Torres A M110
Mexican fertiliser project H M183
Mexican connections N J153
Mexican fluorspar sales IA J249
Blythwood extends Roman Corp. option IA J305
Real de Angeles go ahead IA J305
Real de Angeles: details IA J351
Roman Corp. continues at Sonora IA J370
Bulgaria-Mexico JVs? IA J413
MW J439
Alumina from Mexican nepheline? IA J466
Fluor contract for La Caridad IA J467
Mexican production statistics IA J486
La Caridad refinery contract to Fluor IA J504
La Caridad on stream H M545
Mexican contract for Lurgi H M545

MONGOLIA

Mongolian Cu/Mo project on stream H M265

MOROCCO

Moroccan tungsten agreement IA J029
Moroccan oil shale development IA J087
Loan for Moroccan phosphate mining H M184
Moroccan mineral agreements H M267
Jorf Lasfar credit IA J485

NAMIBIA

Return to work at Rössing IA J014

NEPAL

Magnesite mine in Nepal P M109

NICARAGUA

Chilean/Nicaraguan boycott IA J307
Nicaraguan mines attack IA J486

NIGER

Niger uranium contract for Fluor IA J429

NIGERIA

Loan for Warri steel project IA J161

NORWAY

Hoyanger expansion IA J226
Norwegian Al plant to expand H M267
Norway: Al performance set to improve IA J351
Expansion for Hoyanger H M448
Alcan to sell Aardal stake H M547

OMAN

Oman copper project H M265

PACIFIC ISLANDS

Emperor to boost output H M081
Holdings change at Namosi IA J087
Short strike at Bougainville IA J144
Chromite and nickel in PNG IA J206
Fiji copper prospect H M265
Bougainville drops output H M445
Extension for Ok Tedi study IA J445

PAKISTAN

New PMDC unit IA J066
Japanese aid for Pakistan coal mine? H M083
Pakistan phosphate survey IA J225
Loan for Pakistan bauxite project IA J503
A gemstones corporation in Pakistan IA J503

PANAMA

Nitro Nobel in Latin America IA J067
Cerro Colorado stirring MW J266
Cerro Colorado, Panama, stirs P M393

PERU

Peruvian coal plan complete IA J030
Peru: general strike IA J031
Peru: general strike called off IA J048
Peruvian deposit potential IA J066
Funds for Centromin IA J067
Cerro Verde II: capacity in 1979 IA J089
BRGM at Tambo Grande IA J107
Cautious optimism on copper MW J122
More Peruvian disputes IA J126
Aid for Peru H M183
IFC in Peruvian Ag mining IA J208
Cuajone refining contract revision IA J208
Toquepala strike IA J208
Strike at Cuajone and Toquepala continues IA J227
Uranium, copper, zinc in Peru IA J247
Peruvian base metals H M269
Marubeni-Mineroperu disagreement IA J306
New loans for Cobriza expansion IA J370
Cajamarquilla progress H M545
Anaconda buys Los Pelambres H M545
Finance for Cobriza H M545
Call for investment in Peru H M545

PHILIPPINES

10-year cobalt-nickel deal IA J013
Philippines uranium IA J045
Canadian aid for Philippines IA J066
Philippines copper IA J067
Longos capacity reduced IA J088
Benguet and Black Mountain pollution fines IA J089
Sabena start-up in Philippines IA J143
Philippine copper sales IA J188
Uranium search in Philippines IA J206
Philippines gold IA J225
Western Minolco resumes mining H M265
Philippine copper mill on stream H M265
Philippine mining performance IA J289
Philippine gold project H M365
China seeks increased copper from Philippines IA J372
Philippine silica for E.E.C.? IA J391
Philippines Cu supplies IA J391
Philippines gold project H M448
Philippines copper project order for Finnish group IA J446
Nuclear plant suspension IA J486
Full production for CDCP IA J486
Bids for PASAR smelter IA J486
Amacan underway MW J495
Turbine for Atlas IA J504
More Philippine copper? H M549

POLAND

Poland: achievements, problems MW J040
Lubin modernisation IA J067
Polish copper targets H M083
Polish metal production in 1979 IA J125
More Polish coal mines IA J206
Polish coal project H M448
More Polish copper to West Germany IA J447
Salt from Moszczenica IA J503

PORTUGAL

Portuguese uranium IA J030
Ferrominas signs up Swedes MW J156
BHGM-Portugal agreement IA J185
Minas da Borralha MW J202
Portuguese uranium H M267
Panasqueira struck IA J368
Portuguese iron ore project study H M365
Portuguese tungsten H M367
Another strike at Panasqueira IA J372

PUERTO RICO

Puerto Rican copper H M182

QATAR

Qatar dimes for Burundi nickel? IA J428

RHODESIA

Optimisation of block caving A M126
Record Rhodesian production IA J208
Rhodesia: case for endorsement N J341
Sanctions in the balance N J437

ROMANIA

Romania takes nickel IA J329

SAUDI ARABIA

More Red Sea research IA J012
Al Jubail steelworks plan IA J046
Saudi Arabia gold H M083
Saudi phosphates H M083
Loan for exploration in Saudi Arabia IA J107
Saudi Arabia buys into Alba IA J143
Saudi uranium search H M184
Underground exploration at Al Masane IA J227
Steel mill for Saudi Arabia IA J248
Exploration continues in Saudi Arabia P M203
Loan for Saudi project H M265
Al Masane contract H M364
Saudi buys into Alba H M365
Zn, Ag, Cu in Red Sea sludge IA J370

SIERRA LEONE

Mineral industry set for upswing MW J181
Sierra Leone rutile H M367
Sierra Rutile produces IA J446

SOMALIA

Somalia-AMC talks IA J045

SOUTH AFRICA

Four killed at Doornfontein IA J014
Record Krugerrand sales IA J030
Aggeneys ahead of schedule IA J046
Israel-S.A. coal deal IA J047
South Africa acts to save investment MW J059
S.A. 1978 gold output IA J068
"Big Rose" sold IA J068
Preliminary mining underway at Elandsrand P M009
Richards Bay beach sands behind schedule H M083
S.A. asbestos mine closes H M083
Cutting the coal cake MW J104
Elandsrand: the final milestone IA J108
Accident at Turk shaft IA J108
SA uranium still stalled MW J119
Luipaards Vlei poised for restart MW J135
Bored tunnel at Geduld IA J142
South African gold production in January IA J144
More oil from South African coal MW J156
South African lead smelter project? IA J162
White miners strike MW J177
Village Main dumps treatment IA J186
Financing Sasol? IA J186
S.A. uranium in 1978 IA J187
February Krugerrand sales IA J187
Klerksdorp deaths IA J188
A matter of reservation [illegible] J197
Beisa developments IA J206
Contracts for Shaft Sinkers IA J208
Afrikander Lease to proceed MW J221
S.A. gold production IA J226
Brethy closure IA J226
Ergo stutters MW J241
Kleinkopje officially opened MW J244
East Rand gold mines IA J249
Progress continues at Aggeneys A M206
U.S. objections to S.A. imports MW J267
S.A. bullion theft IA J271
S. African uranium IA J271
Strike threat at S.A. mines IA J273
Sasol colliery details IA J288
Production lost due to rioting at Elandsrand IA J290
Rockfall at Vaal Reefs IA J290
S.A. gold output IA J328
Murchison has eight years IA J328
S.A. mine pay agreement IA J329
Kleinkopje colliery officially opened P M298
Lead smelter for South Africa? H M367
Sasol seeks foreign finance? H M367
South African uranium H M367
Completion of first bored tunnel M M372
Kaapse Hoop probe IA J350
Grootgeluk speed up IA J351
Beisa to employ coconut shells IA J351
Thin edge of the wedge N J362
Mineral sales take off MW J365
April Krugerrand sales up IA J372
From Cape to Transvaal MW J405
Further labour problems in offing MW J409
Anthracite from Kempslust? IA J413
Uranium recovery at Afrikander Lease P M391
Extended life for gold mines H M448
New shaft at Middelplaats H M448
S.A. ferrochrome boost IA J429
S.A. fans for Canada IA J430
Ergo lists its problems MW J439
Improving gold recovery MW J462
More SA mica IA J466
May Krugerrand sales IA J467
S.A. gold in May IA J486
A year of change N J493
First Mn from Middelplaats IA J504
DJB for De Beers IA J504
Texasgulf considers Brits H M547
Anglo considers new U venture H M547
Platinum prospects good H M547

SPAIN

Spanish lignite mine development IA J011
San Ciprian on stream IA J013
Spanish coal strike IA J031
New Spanish lignite project to be developed H M183
Spanish uranium H M184
Spanish democracy N J217
Spain in Peruvian phosphates IA J248
Spain's Cerro Colorado expansion well underway P M295
AznalcoÍlar on stream MW J460
Two U.S. companies in Spanish uranium exploration IA J465

SUDAN

Red Sea mineral tests H M184
Sudan-Belgium project IA J485

SWEDEN

Aid for Sweden's LKAB IA J048
Boliden plans H M184
Nickel and cobalt in Sweden IA J412
Boliden plans IA J428
Ronnskar loss IA J446
LKAB: big rise in 1979 production IA J466

TAIWAN

Uranium supply in question MW J039
Mindequip contract for Taiwan IA J163
Taiwan-U.S. uranium pact IA J187
Taiwan needs copper IA J329

TANZANIA

Tanzanian gold H M083
Tanzanian mineral search IA J124
Tanzanian exploration H M267
Chungu Valley gold IA J351
Tazara re-opens IA J428

THAILAND

India-Thailand offshore mining venture IA J010
Tin dredging lease for Aokam IA J067
More ONO-billiton negotiations IA J108
D R project launch in Thailand IA J207
Thai zinc IA J207
Increasing tin production MW J223
More tin and tungsten from Thailand IA J328
Thai Pioneer orders tin smelter IA J352
Tibet resources IA J445
TRINIDAD
Loan for Trinidad steel plant IA J066
Loan for Point Lisas H M269

TOGO REPUBLIC

Togolese phosphates H M184

TUNISIA

Kuwait loan for Tunisian phosphate IA J226

TURKEY

Fourth five year plan MW J137
Turkish chromite for China IA J163
Etibank's role in the Turkish Mining industry A M484

UGANDA

After Amin MW J301
Plans for Kilembe IA J428

U.K.

Coal: too much is not enough N J037
U.K. mining mission to China IA J046
Progress at Selby IA J047
WDA backing for Robertson IA J067
Chinese orders for the U.K. IA J069
NCB order for Daita IA J069
Further progress at U.K.'s Selby coalfield P M009
British-developed laboratory separator A M045
Coal search in Northern Ireland H M083
Computerised coal plant H M083
U.K. coal mine accident H M083
U.K. to study longwall working in India IA J089
Mineral sales: key to China-U.K. agreement MW J101
New Taylor Woodrow subsidiary IA J108
Anglesey smelter plans shelved IA J125
Cornish wolfram mine will not re-open IA J125
Coal liquefaction in U.K. IA J143
U.K. aid to Bolivia IA J144
Vale of Belvoir public inquiry IA J144
PREPEX '79 A M161
U.K. -Italian coal research H M184
Some finance for Wheal Jane IA J161
U.K. coal board plans reopening IA J163
U.K.-China agreement IA J168
Pumping continues at Wheal Jane IA J188
Uranium: protest on Orkney IA J226
U.K. pit deaths IA J227
Colliery re-opening in the U.K. IA J248
U.K. proposals on Chinese metalliferous developments P M205
Cornish tungsten H M267
U.K. coal exploration H M267
Scottish gold/silver H M267
Substitute natural gas in U.K. MW J285
U.K. government restricts coal imports IA J288
NCB plans for Hem Heath IA J327
New shaft at South Crofty IA J327
U.K. coal plans queried IA J328
Derby coal contract IA J328
£150 million U.K. coal project? H M365
U.K. smelter expansion shelved H M365
Billiton buys tin plant H M365
Record silica sand yield H M367
Second Sabina U search IA J356
Temporary site buildings for Selby M J368
Oil from coal in the U.K. IA J392
Hungary-U.K. coal study IA J414
Aveling Barford U.K. franchise IA J414
U.K. opencast coal mining A M421
Bad year for Cornwall MW J424
Mining machinery export promise MW J425
Hunterston open and emptyq IA J445
Wheal Jane: government stalls IA J466
NCB orders coal preparation plants worth £7.2 million IA J467
Hemerdon reserves doubled IA J485
Geevor expansion plans IA J485
Coal prep news IA J487
Landay sets up Reed Service division IA J487
Pay dispute at South Crofty IA J504
Davy to uprate Bentinck H M547
U.K. Hungarian coal study H M547
U.K. electricity for France H M547
U.K. opencast coal contract H M547
NTZ to study Wheal Jane? H M447
Expansion to extend pits' lives H M448

U.S.A.

Mapco uranium find at Mt. Prindle IA J010
USGS budget increases IA J010
Black Butte approval IA J011
U.S.-Japan coal research IA J012
Ashland drops oil shale project IA J012
Arizona copper smelter shipments delayed IA J013
UF6 from phosphoric acid IA J013
St. Joe cutback IA J014
U.S. Steel signs billion $ mining deal MW J023
Stockpile considerations MW J025
Mixed signals MW J026
Powerco-Newmont uranium search IA J029
Uranium explorations in Utah IA J029
Arco and Shell coal projects IA J029
Durango tailings treatment suspended IA J030
Soviet-designed coal gasification plant in Texas IA J030
More moly from Arizona copper mines MW J041
More moly at Quartz Hill IA J045
Orphan reopening? IA J046
Oil shale mining IA J046
Strategic materials IA J047
Trade agreement for rock cutting equipment IA J047
Norfolk & Western contract IA J048
Clearing the air N J057
Australian U.S. initiatives MW J059
An American view MW J063
NERCO in Wyoming U project IA J066
Utah oil shale project IA J066
Taylor Woodrow forms new companies IA J067
Chemical mining dept. for Kerr McGee IA J067
U.S. coal output down IA J068
New U.S.-W. German venture IA J069
Talks resume at Balmat IA J069
Fully operational at the Sherwood project P M007
Asarco to develop Troy H M082
Wyoming U prospecting by Anaconda H M082
Wyoming U prospecting by Shell/Powerco H M082
U.S. copper expansion H M082
Vanadium mine reopens H M082
Bear Creek uranium H M082
Alcoa expands at Mobile H M083
Comeback for U.S. stockpile MW J079
Nonfuel mineral productions1978 MW J083
New Mexican coal mine IA J089
Gardner-Denver to merge IA J089
Corpus Christi capacity resumption IA J089
Colorado oil shale moves ahead MW J103
Florida phosphate lands dispute IA J108
Troy contract for Kaiser IA J109
Bear Creek uranium sales IA J109
U.S. stockpile Bill IA J109
U.S.-Japan atomic energy talks IA J109
Coal black comedy? MW J121
Mt. Tolman moly grades IA J124
Kennametal tungsten option sale IA J124
Kennecott stresses capital improvment IA J125
Uranium supply case settlement IA J126
Mapco sales IA J126
Coal-stripping regulations MW J135
Denison & Seward IA J143
Coal liquefaction in Texas IA J143
Castor Bayou contract for Fluor IA J145
Western Nuclear sales IA J145
Clarksville on stream H M182
Alaskan U find H M182
Energy saving at Baton Rouge H M182
Tacoma copper refinery placed on c k m H M182
Coal mine approved H M182
Stuart Tract mine on-stream MW J156
Nuclear debate reaches Congress MW J158
U hunt reaches Nevada MW J158
More U.S. restarts IA J162
U.S. asbestos IA J162
U.S. Treasury gold sale IA J163
U.S. copper initiative MW J177
Wanted: a mill in Colorado MW J179
Uranium find by Fremont IA J185
New shaft for Sunshine IA J186
Pima re-opening IA J187
Corpus Christi reduction plant IA J187
New mill at Lucky Mc IA J187
Taiwan-U.S. uranium pact IA J187
U.S. stockpile moves IA J188
U.S. strip regulations IA J188
General Atomic and Ranchers-ENG Oil MW J203
Gold in Nevada IA J206
Standard moves IA J206
Arizona copper project review IA J207
Cripple Creek up-date IA J208
Amax Twin Buttes ore for Mitsui IA J208
Mining wins a round MW J222
Financing for Alumax IA J225
Coastal and Getty to develop Utah coal IA J225
Palo Verde on stream IA J226
Copperhill closure IA J226
Bennett Stockpile Bill approved IA J226
Fluor at Buckskin IA J227
Environmental costs at White Pine MW J244
U.S. Natural Resources Dept. IA J248
More Texas Al potline reactivations IA J249
Ohio coal tax law scuppered IA J249
Uranium contract dissolved IA J249
Special aid for W. Virginia miners IA J250
U.S. mining mergers under fire MF J256
Rio Blanco oil shale project P M201
Troy concentrator contract awarded H M267
Quartz Hill getting bigger H M267
Nerco to extend its Sundance option H M267
Amax moly find in Washington H M267
New Johnstown furnace H M269
Island accident - bodyblow for nuclear power MW J265
U.S. objections to S.A. imports MW J267
U.S. objections to Brazilian imports MW J267
Licence for United Nuclear Project IA J270
Coal Creek plan approved IA J271
U.S. coal gasification IA J271
Utah coal study IA J271
Seabed security MW J284
Coal gas in US MW J285
Uranium mines in Utah IA J288
U.S. stockpile Bills: tin IA J288
Amoco on metals trail MW J299
Fresh incentive for coal MW J301
Coal desulphurization licence IA J306
Westinghouse settles another lawsuit IA J307
Lake Charles contract strike IA J307
Questa contract IA J329
U.S. Justice Dept. looks at cobalt sales IA J329
U.S. mineral legislation possibilities P M298
Construction contract for new moly mine H M363
Lignite mine study H M363
Nevada gold search H M363
Cyprus Pima to restart H M363
Al plant restart H M363
Commerce counts costs MW J343
Uranium miners counter attack MW J343
Montana coal drilling IA J350
Thompson Creek moly IA J350
Mt. Taylor mill move IA J350
Carbon County financing fixed IA J351
Christmas re-opening IA J351
Trona development - shaft contract IA J352
On the march MW J367
Kennecott plans IA J371
U.S. capacity forecast MW J385
Energy and mineral economics consulting firm expands IA J391
Palladium and platinum in Montana IA J412
Maine copper producer? IA J413
No U.S. Natural Resources Dept. IA J413
Pellet plant shuts H M447
Copper project setback H M447
Government abandons new resource department plan MW J425
Asarco shut-downs IA J429
UNC-TVA settlements IA J446
New pact at Magmont IA J447
Easing the squeeze MW J460
Environmentalists win a round MW J462
Two U.S. companies in Spanish uranium exploration IA J465
DeLamar silver boost IA J486
Cathode from Battle Mountain IA J486
Parsons' mining and metallurgy IA J487
SO settlement IA J487
New style EIS IA J487
Gold field coal project shelved IA J502
New U.S. rare earths plant IA J503
Korf plans DR at Beaumont IA J503
U.S. coal leasing IA J503
Heap leaching in Montana IA J504
Westinghouse settlements IA J504
New York tin held up IA J504
New Fluor division IA J504
Kennecott plans H M545
New coal loading plant H M545

U.S.S.R.

Soviet team to develop Jordanian phosphates? IA J030
Soviet-designed coal gasification plant in Texas IA J030
Phosphate agglomeration start in U.S.S.R. IA J046
New Siberian coal mine IA J066
Cut in U.S.S.R. iron ore shipments? IA J068
Red faces in the coal industry MW J083
Soviet equipment for Kabul IA J087
Uzbek lead-zinc IA J124
Metallurgical developments in U.S.S.R. IA J125
Coal pipelines in the U.S.S.R. IA J126
U.S.S.R. to enrich Agip U IA J126
Cyprus Anvil Pb, Zn to U.S.S.R. IA J126
Udokan: U.S.S.R. still seeks partners IA J143
Soviet work on silicon carbide-hydrocyclone linings D M188
Soviet problems and prospects MW J181
More U.S.S.R. asbestos IA J187
Big U.S.S.R. iron ore find IA J247
The copper industry of the U.S.S.R. A M242
Soviet technique for defining mineral deposit boundaries D M281
Krasnoyarsk coa potential IA J306
U.S.S.R. National exhibition IA J308
Indo-Soviet accord N J317
Soviet-developed tunnelling machine for ore mines D M377
Soviet activity IA J350
Japan buys less Soviet iron ore IA J352
More metals from Kazakhstan IA J371
Copper industry of the U.S.S.R. A M429
New Udokan study H M448
Soviet Union exhibition in London M M457
Supporting rollers for conveyors D M465
Coal plans for 1979 MW J461
More Soviet iron ore IA J467
More Soviet tin IA J467
Yakutia diamond search IA J485
Gara Djebilet contract IA J486
Soviet lignite plans IA J503
Phosphorus for Russian fertilizers P M481
Underground sylvite mining methods D M555
New Soviet range of drill rigs D M556

VENEZUELA

Venezuelan iron ore H M183
New Venezuelan bauxite company IA J207
Venezuelan aluminium H M269
Venezuelan D-R start up IA J372

VIETNAM

Vietnamese smokeless coal for Japan IA J290
Vietnam coal plans H M083

YEMEN

Yemen minerals study H M184

YUGOSLAVIA

New lead refinery at Trepca IA J011
Yugoslav uranium mine IA J108
Yugoslav copper H M184
Yugoslavian iron ore find IA J206
Titanium find in Yugoslavia IA J247
Yugoslav uranium H M267
Yugoslav barytes mine IA J288
Copper mine on stream IA J288
Yugoslavian earthquake IA J327
Yugoslav chromite IA J350
Japanese credits for Yugoslav projects IA J371
More asbestos from Bosnia IA J371
Titanium find in Yugoslavia H M448
Yugoslav Ni project IA J445
Fourth Yugoslav copper mine IA J486
Yugoslav iron ore H M547

ZAIRE

March crux for financial planning MW J061
Sozacom cobalt exports 1978 IA J109
Unpromising outlook MW J179
Mn shipments along Benguela IA J270
Zairean copper problems IA J289
Benguela deliberations MW J321
Transport problems for Zaire IA J352
SMTF ownership shuffle IA J486

ZAMBIA

Chambishi pit closed IA J030
Zambian cobalt IA J047
Zambian strike IA J126
Zambian coal exploration IA J142
Zambian uranium H M184
Zambian coal find H M184
Dept. of Industry guarantee for Zambian cobalt deal IA J208
Stoppage on Tazara Railway IA J227
Tazara strike: copper goes by road IA J250
Chambishi pit closed H M267
Zambian rail strike ends IA J273
Zambia-Agip uranium agreement IA J287
RCM shuts down tankhouse IA J288
MUZ warning IA J352
Zambian uranium search IA J370
Mokambo more likely IA J371
Zambian copper stranded IA J413
Agip to mine Zambian uranium H M448
Ndola tankhouse closes H M448
Another Zambian uranium agreement IA J465
Saarberg in Zambian search H M547

Methods and Machines

ASSAY METHODS

Energy-dispersive analyser M J105
Bench-top unit determines uranium content of solutions M J160
Determining sulphur in coal M J265
Portable X-ray fluorescence analyser M J326
Thermal analysis of coal and coke M J426
Compact on-stream analysis system M J484

AUTOMATION

AIMEX '79 A M141
Monitoring control unit M J184

BLASTHOLE DRILLING

Ore reserve estimation methods A M300
Efficient blasthole drilling M M454
Large rotary table single-pass blasthole drill M M457

BLASTING & EXPLOSIVES

Seismic triggered seismograph M J04
Effective underwater system M J04
Energy output of blasting machines M J30
More efficient drilling and blasting D M37
Recent developments in West German blasting techniques D M46

COAL TECHNOLOGY

PREPEX '79 A M16
Haulage chain tensioner M J12
Major U.S. longwall order M J38
U.K. opencast coal mining A M42
New design coal sampler M M55

COMMINUTION

New design mill for gold ore M J04
World's largest impact jaw crusher M J24
Small grinding mill design concept M J41

COMPRESSORS

Air-powered rock drills A M32

COMPUTERS

Computer for use with remote CH_4 detection unit D M091
Computerised borehole logging M M45

CONVEYORS

Versatile, flexible conveyor system M J008
Computerised conveyor system M J027
Self-counterweighting conveyor M J028
Goonyella belt conveyor IA J069
Tracked, independently-powered bridge conveyor M J085
Magnetic pulleys for separating contaminants M J106
New conveyor belt cleaner M J368
Supporting rollers for conveyors D M465
Compact mineral belts use new drive cable M J426
Conveyor system for Yugoslav nickel M J463
Heavy duty fastener M J501

DREDGING

Bucket chain excavator for Belgium M J348

DRILLING

Diamond carbide bits M J008
Improved bonding of bits M J064
Explosion proof raise drill M J105
Button bits with composite hardmetal buttons M J140
Work at Scottish opencast coal site M J141
Hydraulic crawler drill M J184
Blasthole drill coupling M J205
Chuck hood M J224
Twin boom hydraulic rock drill M J269
Ore reserve estimation methods A M300
Stoping practice at Kidd Creek A M318
Air-powered rock drills A M324
More efficient drilling and blasting D M377
Guide tube ensures straight holes M J348
World's largest raise drill M J368
Re-dressing of bits and steels simplified M J368
New Soviet range of drill rigs D M556

EDUCATION & TRAINING

Sampling and ore estimation IA J330
Ore deposits IA J330
Ontario Research funds IA J330
SME short courses IA J372
Colorado courses IA J372
Marine minerals short course IA J430
Backfill IA J430
Geostatistics IA J505
Mining or muckshifting? E M475

ELECTRICAL EQUIPMENT

Power cable for mining from E. Germany M J009
Australian lamps for gassy mines M J027
Cable reeling device for longwalls M M088
Cable jointing system for mines and quarries M J160
Meter for checking battery condition M J245

ENERGY & POWER

An energy province? MW J121
Power cost factor E M103
Island accident - bodyblow for nuclear power MW J265
Coal gas in U.S. MW J285
Substitute natural gas in U.K. MW J285
An embarrassment of riches? MW J319
Coal/air fuel cell M J369
Growing energy problems MW J441

ENVIRONMENTAL CONTROL

Key Lake environmental statement filed IA J011
Mercury monitoring statement filed M J044
Cleaning the air N J057
Environmental protection in underground uranium mining A M014
Yeelirrie environmental clearance IA J185
Air samplers for mine use M J205
Instrument monitors pollution M M273
Commerce counts costs MW J343
Uranium miners counterattack MW J343
OECD recommendations on coal MW J407
Environmentalists win a round MW J462
Dust control A M504

EXCAVATORS & LOADERS

Improved series of scrapers M J064
AIMEX '79 A M141
New crawler excavator demonstrated M J204
Tough 5 yd³ LHD M J245
Mining shovels and draglines reviewed A M222
Giant bucket wheel excavators M M272
Improved loader introduced M M274
New M-F loaders and dozers demonstrated M J268
Hydraulic excavators in cold conditions M J303
New hydraulic shovels from P & H M J410
New wheeled loader introduced M M454
Finnish loaders in underground mining M M457

EXHIBITIONS & CONFERENCES

Planning surface coal mines IA J031
Mineral economics at McGill IA J031
Filtration Society meetings IA J031
Federal surface mining regulations IA J031
Erosion control IA J031
Coal conversion IA J048
Mackay meetings IA J048
Promoting small scale mining MW J061
Law of the Sea IA J069
Mineral processing IA J069
Coal technology '79 IA J069
Mine ventilation IA J069
Blasting seminar IA J069
Mineral resources management IA J069
Conference of Metallurgists IA J069
ILAFA meetings IA J069
Toronto '78 A M041
Tunnelling '79 IA J090
Explosives and Blasting 6 IA J090
Mining agreements IA J090
Coal convention '79 IA J145
Iron ore symposium IA J145
How to reach China IA J145
Annual Uranium Institute symposium IA J145
AIMEX '79 A M141
PREPEX '79 A M161
Uranium meeting at CSM IA J164
Geoscience research IA J164
Precious metals IA J164
World filtration congress IA J164
Tunnelling '79 London M J183
AIME looks to Washington & Peking MW J202
SAE conference IA J250
Exploring '79 IA J250
ICOMM 79 IA J250
ISEC '80 IA J250
Electra and mining IA J250
Phosphate and oil deposits IA J250
Strategic mineral availability IA J250
Coal combustion and environment IA J250
Exchange of views E M197
Tunnelling '79 A M217
Underwater mining IA J273
Hydrometallurgy IA J273
Coal in Yorkshire: the future IA J273
U.S.S.R. National exhibition IA J308
Advanced blasting technique IA J308
Magnesium IA J308
Inter/Micro '79 IA J308
Subsurface storage IA J308
High technology at Hanover trade show M J325
Metals and the future N J381
Eurotunnel '80 IA J392
Minex Ireland '79 IA J392
Asbestos conference - new dates IA J392
Uranium in veins IA J392
Camrex in China IA J392
Tinplate IA J392
Bergbau 81 IA J392
Soviet Union exhibition in London M M457
Geomathematics IA J430
The Pine Creek geosyncline IA J430
Copper markets IA J430
1979 Coal Science lecture IA J447
Geology and planning IA J447
Refractories IA J447
FETEX '80 IA J447
Mine ventilation IA J447
Metec '79 MW J497
ILAFA-Miniplants IA J505
European copper deposits IA J505
Safety in mining IA J505
Mine surveying IA J505
Transport & handling of minerals IA J505
Lead-zinc '80 IA J505
IPMI 4 IA J505
CONEXPO '81 IA J505
International Mining Exhibition-Istanbul A M487
Exhibitors at International Mining Exhibition, Istanbul A M493
Papers to be presented at Turkish Congress A M495
Outlook for zinc A M525
International classification of mineral resources A M533
Seminar on offshore mineral resources M M551

EXPLORATION

Multichannel signal enhancement seismograph M J009
Kenya's search for base metal deposits P M107
Exploration increases in 1978 MW J266
Versatile, Micro processor-based data system M J348
Exploration: changing benefits E M387
Outlook for zinc A M525

FLOTATION METHODS

Flotation reagent practice in moly A M174

GEOLOGY & ORE RESERVES

Ore reserve estimation methods A M300

HEALTH & WELFARE

Environmental protection in underground uranium mining A M014
Dry sanitary units for mines M J349
Temporary site buildings for Selby M J368
Dust control A M504

INSTRUMENTATION

Early warning system on rotating equipment M J027

LABOUR

Return to work at Rössing IA J014
No lay-offs at Port Colbourne nickel refinery IA J014
St. Joe cutback IA J014
Uranium mines can invoke Canadian labour code IA J014
Bolivian government orders wage rises IA J031
Peru: general strike IA J031
Inco and Noranda talks resume IA J031
Peru: general strike called off IA J048
Aid for Sweden's LKAB IA J048
Norfolk and Western contract IA J048
Talks resume at Balmat IA J069
Talks break down at Gaspe IA J069
Tough labour problems now and to come MW J121
U.K. coal board offers 9% IA J163
U.K. coal board plans reopening IA J163
Inco strike averted IA J163
White miners strike MW J177
Ozark lead strike IA J188
Klerksdorp deaths IA J188
A matter of reservation N J197
Toquepala strike IA J208
Coal loading strike IA J208
Strike at Cuajone and Toquepala continues IA J227
Stoppage on Tazara Hailway IA J227
Noranda negotiations IA J227
U.K. pit deaths IA J227
Tazara strike: copper goes by road IA J250
N.S.W. coal loader strike ends IA J250
Special aid for W. Virginia miners IA J250
Strike threat at S.A. mines IA J273
SPCC: a gradual return to work IA J273
Another NSW coal loader strike IA J273
Zambian rail strike ends IA J273
Labour talks for Alcan in Quebec IA J273
Noranda's labour problems IA J273
Production lost due to rioting at Elandsrand IA J290
Canadian Copper Refiners settle IA J290
Falconbridge:one week strike IA J290
Coal loader strike continues IA J290
Labour unrest in Chile IA J290
French steel strike IA J307
Lake Charles contract strike IA J307
Panasqueira struck IA J308
S.A. mine pay agreement IA J329
Happy Christmas IA J329
Opposition to E.E.C. steel plan IA J329
Central Norseman Gold workforce strikes IA J329
N.S.W. coal loader strike ends IA J329
Australian unions against uranium mining IA J352
MUZ warning IA J352
May Day mixture IA J352
Thin end of the wedge N J362
Alternative pact for Inco IA J372
Another strike at Panasqueira IA J372
Hindustan Copper strike ends IA J372
Aid for E.E.C. steelworkers IA J372
More work in British Columbia IA J390
Inco settlement rejected IA J392
Cominco's settlements IA J392
Return to work at Central Norseman IA J392
Noranda talks IA J392
Further labour problems in offing MW J409
Noranda zinc unit strike mandate IA J414
Alcan strike vote IA J414
Chilean mineworkers seek more pay IA J414
More negotiations for Cominco IA J414
Cominco settles at Trail IA J430
Debate on how to end Inco strike IA J430
Hamersley strike IA J430
Kennecott settles at Ozark IA J447
New pact at Magmont IA J447
Sherritt Gordon strike IA J447
Back to work at Inco IA J447
Alcan workers strike IA J447
Noranda settlement IA J447
Dome Mines strike IA J447
Miners occupy Panasqueira IA J447
B.C. longshoremen's strike affects potash, sulphur IA J467
Pilbara stoppage IA J467
Return to work at Gaspe after seven months IA J467
Sherritt Gordon strike settled IA J504
One-day strike in Australia IA J504
Mt. Newman mining again IA J504
Pay dispute at South Crofty IA J504
Mining or muckshifting? E M475

MAINTENANCE & LUBRICATION

Mobile servicing units M J426
New lubrication units M J444

MECHANICAL HANDLING

Sampler for coal and other minerals M J246
Versatile lifting/winching device M J286

METALLURGY

New alloys and their use in mining M M085
Weighing equipment for Dubai smelter M J205
Non-ferrous metal refining M J304
Metec '79 MW J497

MINE COMMUNICATIONS

Longwall face communication system M J160
Signalling system for longwalls M M272

MINE HOISTING

Swedish equipment for Chinese coal mines M J027
Testing device for wire ropes M J086
Monitoring winder activity M J349
Low-noise air hoists M J463

MINERAL PROCESSING

New flotation impeller M J008
Photometric ore sorting at Mt. Carbine, Queensland A M208
British-developed laboratory separator A M045
Control systems monitor grinding circuit performance M J105
Lab-scale continuous rotary vacuum filter M J141
AIMEX '79 A M141
Flotation reagent practice in moly recovery A M174
Improved spiral concentrators M J159
Pilot plant for nickel ores M M271
Crushing plant for slag M M271
New equipment from South Africa M J269
Slurry agitation method M J286
The Spouted Bed System M J304
Sampling of particulate materials M M374
Analyser for mineral labs M M374
Methods and economics of slag cleaning A M408
Thickeners for gold mining M J427
New hydrogen process MW J461
Radiometric ore sorter M J463
Radiometric sorter M J484
Motionless triple-action mixers M J500

OFFSHORE MINING

Ocean nodule tests H M081
Seabed security MW J284
Last lap for Sealaw agreement? N J361
Seminar on offshore mineral resources M M551

OPENCAST MINING

A year of decisions E M003
Mining activity in the Western world A M051
AIMEX '79 A M141
Chains prevent tyre damage M J159

Mining shovels and draglines reviewed A M222
The copper industry of the U.S.S.R. A M242
Improved crawler-dozer M J303
U.K. Opencast coal mining A M421
Improved truck designs M J426

PIPELINES

Large slurry pumps M J224

POLITICO-ECONOMIC

Outlook for '79 - wait for Iran! N J001
Stockpile considerations MW J025
Mixed signals MW J026
Mineral pragmatism in Canberra MW J039
Slight fall in growth foreseen MW J042
South Africa acts to save investment MW J059
March crux for financial planning MW J061
A year of decisions E M003
Mining activity in the Western world A M051
Two cheers for copper N J077
Comeback for U.S. stockpile MW J079
Metals surge ahead N J097
Uneasy year ahead for Bolivia N J098
The Iranian crunch N J117
Japan extends buy-back IA J126
Outlook for lead N J133
Fourth five year plan MW J137
Mining revenue 1977-78 MW J137
Mineral export revenue stabilisation IA J144
Power cost factor E M103
Mexican connections N J153
Nuclear debate reaches Congress MW J158
S. Korea stockpile plan IA J163
Gold past its peak? N J173
Unpromising outlook MW J179
U.S. stockpile moves IA J188
U.S. strip regulations IA J188
Spanish democracy N J217
Mining wins a round MW J222
Marked reduction in metal imports MW J222
Law of the Sea clash IA J226
Bennett Stockpile bill approval IA J226
Australia reviews Heritage Act IA J226
A kind of consensus N J237
Short-lived metals boom? N J238
U.S. Natural Resources Dept. IA J248
Exchange of views E M197
Misleading impressions N J261
Quebec budget encourages exploration IA J270
Lome II meeting in May IA J271
Indian minerals value up in 1978 IA J271
Iron ore: changing mix N J281
Steel industry evolution N J297
Copper - price is the spur MW J299
After Amin MW J301
Aspects of an emerging "back" MW J302
Stockpiling finds favour MW J319
Revising terms MW J321
Looser reins for exporters MW J323
U.S. mineral legislation possibilities P M298
The rising costs of base materials A M351
Rhodesia: case for endorsement N J341
Eurozinc 1979 N J342
Last lap for Sealaw agreement N J361
Unctad five MW J365
AWIC states case MW J367
Metals and the futuré N J381
Unctad 5 MW J386
Lower metal prices forecast N J401
What price captive coal? N J402
No U.S. Natural Resources Dept. IA J413
Angolan mineral development IA J413
Exploration: changing benefits E M387
Methods and economics of slag cleaning A M408
Indonesian overview N J421
Fortunes improve but...? MW J424
Mining machinery export promise MW J425
Government abandons new resource department plan MW J425
Sanctions in the balance N J437
Stalemate MW J443
Gold: past, present and future N J457
Need for leadership N J477
A year of change N J493
Good news, bad news MW J497
W. German strategic stockpiles IA J503
U.S. coal leasing IA J503
International classification of mineral resources A M533

PROSPECTING

New magnetometer M J183
Magnetic properties of samples M J464

PUBLICATIONS

Does resource conservation pay? R M049
Handbook on mechanical properties of rock R M049
"Towards a nickel policy for the Province of Ontario" R M049
Economic review of the metal markets IA J090
Dredging technology IA J090
Bauxite, alumina and aluminium IA J090
Methane production IA J090
Africa surveyed IA J109
Hydrotransport 5 IA J109
Minerals in B.C. IA J109
The Golden Constant R M179
Mineral economics and basic industries in Asia R M179
Coal and energy R M179
McGraw-Hill encyclopedia of the geological sciences R M179
Who's who in Steel? IA J164
Environmental impacts in Canada IA J164
Underground lighting survey guide IA J164
Oil shale symposium proceedings IA J164
Metrication of mine regulations IA J164
Mineral deposit data files IA J250
Energy conservation IA J250
Coal mine ground control R M257
Mineral resources of Sri Lanka R M257
Western mining directory R M257
The World Lead industry IA J329
U.K. geochemical atlases IA J330
ICSOBA 4 IA J330
U.S. uranium who's who IA J330
Lognormal - de Wijsian geo-statistics for ore evaluation R M369
An introduction to geo-statistical methods of mineral evaluation R M369
Rock drilling manual IA J414
Lead-zinc in developing countries IA J414
Mechanical Handling pocket guide IA J414
Mining profitability IA J414
International Molybdenum Encyclopedia R M449
Copper, Mining and Management R M449
Proceedings of the Porphyry Copper Symposium R M449
Mining and Metallurgy in the Greek and Roman World R M449
Atlas Copco Manual R M451
Geochemical Processes R M451
Principles of Applied Geophysics R M451
Ropeways round the world IA J467
Taxation and mining in Canada IA J467
FT Mining International Year-book IA J487
Who owns whom IA J487
Mining with Backfill R M539
Soil mechanics for off-road vehicle engineering R M539
Solid/liquid separation R M539
Current issues in U.S. environmental policy R M539
Stacking, blending and reclaiming of bulk materials R M541
Coal desulfurization prior to combustion R M541
Peakland - lead mines and miners R M541

PUMPING & DRAINAGE

Pumps and feeders for Indian iron ore M J064
Combined underground and open pit drainage D M092
Wear resistant materials M J106
New ring-section pumps M J464

RECLAMATION

Hydroseeder aids restoration of mined lands M J140

RESEARCH

More Red Sea research IA J012
Alcan adds to Arvida IA J271

ROCK MECHANICS

Optimisation of block caving A M126
Load cell for rock mechanics applications M J246
Multi-point extensometers with sonic probe readouts M J463

ROOF SUPPORTS

Roof supports in Alsace potash mines D M377

RUBBER & PLASTICS

Low friction linings for coal bunker M J389

SAFETY

Four killed at Doornfontein IA J014
Canadian Mn plant deaths IA J048
Computer for use with remote CH4 detection unit D M091
Brass flame safety lamp M J085
Mine rescue vehicle M J140
Fire resistant fluid M J159
Filter for dust separation M J205
Rockfall at Vaal Reefs IA J290
Methane detectors for coal mines M J303

SCREENING

Primary screen cloths handle 1.6 million tonne/year coal M J326

SHAFT SINKING

Rockershovel works in small-diameter shaft bottom M J501

SURVEYING

Helium surveys in India IA J045
Kenyan geophysical survey IA J045

TAXATION & TARIFFS

Resource tax study MW J007
Rosario Dominicana to pay higher taxes IA J141
Ohio coal tax law scuppered IA J249
Mining wants less taxation, more construction MW J345
Manitoba mining tax cuts IA J428

TRADE & STATISTICS

Mexico revisited N J002
R.O.K. thriving N J021
Mining activity in the Western World A M051
Nonfuel mineral production 1978 MW J083
Pacific pace-setters MW J137
Mixed trends in 1978 MW J243
The copper industry of the U.S.S.R. A M242
Argentine mineral exports IA J289
The rising costs of base materials A M351
Mineral sales take off MW J365
Strong demand persists MW J366
First quarter Pb output slips, zinc rises IA J391
Lower metal prices forecast N J401
Copper industry of the U.S.S.R. A M429
Record Western world Al in May IA J503
Outlook for zinc A M525

TRANSPORT-GENERAL

Truck replacement bodies M J028
Soviet order for 30 Japanese trucks M J043
Haulage costs contained by truck rebuilding M J064
ANL to commission two bulk carriers IA J067
Larger tyres on LHDs M J086
New tyre shield system M J123
Benguela meetings IA J125
Low-profile mining dump trucks M J140
AIMEX '79 A M141
Specialised steels for off-highway truck frames M M185
Limestone ropeway in Sudan M J183
170-ton coal hauler M J224
Tractor unit for reclamation work M M277
Curled wire tyre for mining vehicles M J286
Shipping facility for Gay's River IA J306
Benguela deliberations MW J321
160-ton trucks in service M J326
Field calibration kit for portable axle load scales M J349
Improved truck features larger engine M J388
Eight-wheel drive amphibious truck M J388
Tazara re-opens IA J428
Drives for Aerial ropeway M J444
Articulated trucks in Finland M J500
New mechanical drive front-end loader M J500

TRANSPORT-UNDERGROUND

Australian electric loader M J085
Australian flameproof locomotives M J183
Low-profile telescopic dump truck M J204
Telescopic truck series M J427
Electric LHD machines M J444

TUNNELLING

Tunnelling '79 A M217
Tunnel and shaft boring M J268
Nothing ventured ... E M291
Completion of first bored tunnel M M372
Soviet-developed tunnelling machine for ore mines D M377
Trials in South Africa M J444
Road-header bits M J484

UNDERGROUND DEVELOPMENT

A year of decisions E M003
Mining activity in the Western world A M051
Large diameter raises M M087
Chinese order for varied Swedish equipment M J085
Sub-level shrinkage caving M J123
Optimisation of block caving A M126
AIMEX '79 A M141
Raise boring at Ghana gold mine reduces costs M M185
Tunnelling'79 London M M183
Tunnelling '79 A M217
Scaling carriage at salt mine M M273
Raise boring achievement M J269
Nothing ventured ... E M291
Stoping practice at Kidd Creek A M318

VENTILATION & DUST CONTROL

Environmental protection in underground uranium mining A M014
Air-conditioning in deep mines D M281
Low volume air sampler M J304
CO monitor M J464
Dust control A M504
Manufacturers of dust control equipment A M507

Companies and Other Public Bodies

A

Aberfoyle MF J094
MF J449
A-C Canada Ltd. M J064
Afrikander Lease MF J216
MW J221 ME J234 P M391
Alcan MF J113
MF J130 MF J235 MW J243
IA J271 IA J273 IA J414
IA J447
Alcoa IA J287
IA J428
Alcoa of Australia MW J481
Allis Chalmers IA J109
A M111 A M209 P M297
Allstate Explorations IA J010
Aluminium Bahrain IA J249
IA J413
Aluminium Pechiney IA J089
Alusuisse MF J394
Amalgamated Metal Corp. N J238
MF J338
Amax IA J107
MF J112 IA J126 IA J208
IA J249 MF J275 MF J338
MF J397
AMC Group MF J451
American Hoist A M238
American Inst. of Mining Metallurgical and Petroleum Engineers MW J202
American Mining Congress E M197
American Smelting & Refining Co. (Asarco) MF J075
IA J089 MF J128 IA J208
MF J229 IA J271 MF J336
IA J429
IA J391
Amgold MF J235
ME J356 MF J358
Amoco MW J299
Anglo American MF J071
MF M009 ME J230 MF J233
MF J336 E M291 M M372
MF J471
Anglo American Coal Corp. MF J171
MF J210 ME J212 P M298
Anglo United IA J350
Anglovaal MF J050
MF J213 MF J311 IA J350
Aokam Tin Berhad MF J295
APV Kestter South Africa M J286
Arab Mining Co. IA J045
ARC Construction IA J207
Armco Ltd. M J105
IA J272
Asbestos Corporation MF J294
MF J455 IA J466 IA J503
Asea AB M J207
Ashland Oil Inc. IA J067
Atlantic Richfield MF J211
Atlantis Inc. IA J391
Atlas Copco IA J109
A M113 M J184 A M325
M J348 M J368
Atlas Corporation IA J305
IA J412
Atlas Hoist and Body Inc. M J028
Australian Mineral Development Laboratories (Amdel) IA J047
Australian Mining and Smelting MF J094
Aveling Barford IA J048
P M105 IA J414 A M423
Ayer Hitam MF J216

B

Barlow Rand MF J050
MF J416

Barringer Research M M273
Bechtel Corp. IA J414
Bellambi Coal MF J111
Beruguet Consolidated MF J375
Beralt Tin and Wolfram MF J434
IA J447
Berjuntai Tin Dredging Berhad MF J035
Bethlehem Copper MF J113
MF J129
Bethlehem Steel MF J170
BH South MF J113
IA J306
BICC General Cables IA J109
Billiton IA J186
Blackwood Hodge IA J069
Bohler A M325
Boliden A M417
IA J428
Botswana RST MF J278
MF J417
Bougainville Copper MF J075
MF J256
MF J129
Brenda Mines MF J235
Bridgestone Tire Co. Ltd. M J286
Brigade Tire Co. Ltd. M J123
Brinco IA J412
British Ropeway Engineering M J183
British Steel Corp. P M203
IA J445
Broken Hill Prop. MF J147
Brunswick Mining and Smelting MF J358
MF J397
Bucyrus Erie P M007
A M225
Bunker Hill Co. IA J487
Bureau de Recherches Geologiques et Minieres IA J107
Burn-Brite Lights (Vic.) Pty M J027

C

Cable Belt Ltd. M J426
Callahan Mining MF J194
MF J417
Camflo Mines MF J034
MF J359
Campbell Chibougamau MF J194
Canadian Reynolds Metals Co. IA J126
Cape Industries MF J377
MF J397
Carbones de Colombia P M483
Caterpillar P M007
M M274 P M297 M J388
A M423
Cementation P M009
Central Norseman Gold IA J329
IA J392 IA J412
Central Selling Organisation MW J023
Centromin IA J067
Century Oils M J159
Chamber of Mines of South Africa ME J508
Christensen Inc. M J008
Clark-Lima A M238
Cleveland - Cliffs MF J017
MF J489
Coastal & Offshore Plant Systems IA J371
Codelco-Chile MF J438
Colorado School of Mines IA J372
Columbia Scientific Industries M M374
Comalco IA J045
IA J270 MF J292
Comecom IA J226
Cominco MF J113
MF J313 MF J355 IA J392
IA J414 IA J430
Commodities Research Unit MW J221
Communication & Control Engineering M J160
Cie de Mokta MF J510
Compair A M325
Consolidated Aluminium IA J487
Consolidated Gold Fields P M203
MF J295
Consolidated Gold Fields Australia MF J171
MF J190
Consolidated Murchison MF J276
IA J328
Consolidated Pneumatic A M325
Conzinc Riotinto Malaysia IA J270
Conzinc Riotinto of Australia MF J128
MF J169 MF J354
Copperfields Mining MF J233
Craigmont Mines MF J035
CSR MF J016
Curtis Instruments M J245
Cyprus Mines IA J187
MW J290 MF J418

D

Dallas Instruments M J043
Dames & Moore IA J107
Dart P M007
M J500
Data Acquisition M J027
Davy International IA J352
De Beers MF J192
ME J334 MF J336 P M479
Deelkraal Gold Mining ME J215
MF J215
Demag A M325
Derek Crouch A M421
Denison Mines MF J072
IA J143 MW J241
Dickenson Mines MF J491
DJB M J500
Dome Mines IA J447
Dorr Oliver P M007
Dows Mining IA J088
IA J445 IA J465
Dowty Meco P M105
Dresser Industries A M325
A M421
Dupont A M319
M J426

E

EDA Instruments Inc. M J044
M J184
East Driefontein ME J214
MF J215
Eastmet IA J465
East Rand Gold and Uranium Co. ME J452
Eimco M J085
M J086 M J140 M J273
A M319 M J501
Eldorado Nuclear IA J370
MF J394 MF J455
Elmac Corp. M J140
M J204 M J427
MF J511
English China Clays IA J066
Ente Nazionale Idrocarburi (ENI) N J057
Environmental Protection Agency M J269
Enviro tech (Pty) M J427
Equipement Minier M J444
Erocon Equipment M J140
Esso IA J186
IA J390
Etibank A M484
Euclid A M048
P M007
European Economic Community IA J029
IA J142 IA J144 H M184
MW J203 IA J271 IA J329
IA J372 IA J391 H M547
Evergreen Weigh M J349
Exxon IA J307
EZ Industries IA J186
MF J191

F

Fairclough-Parkinson IA J272
A M421
Falconbridge Copper MF J397
Falconbridge Nickel MW J023
MF J229 IA J290 MF J359
IA J371 IA J390 IA J445
Fenner Group P M105
Ferrominas MW J156
Fiat-Allis P M007
Fluor Corp. IA J227
Fluor Mining & Metals MW J121
IA J467 IA J504
FMC Linkbelt A M238
Foden M J426
Foote Mineral MF J396
Freeport Indonesia P M201
Freeport Minerals MF J092
MF J292 MF J417
Freeport Queensland Nickel MF J019
Free State Geduld M M372
Furukawa A M330

G

Galigher Co. M J008
Gardner-Denver IA J089
A M113 A M319 A M325
T. Garlick & Assoc. M J304
Gecamines IA J143
GEC Industrial Controls M J444
Geevor Tin IA J485
MF J507
General Dynamics IA J370
General Mining MF J071
MF J215 MF J336 ME J432
MF J434
General Services Administration IA J307
IA J446
General Splice Corp. M J501
Geoex Ltd. M M459
Geological Association of Canada A M041
Geological Society of America A M041
Geological Survey of Canada IA J287
Geological Survey of India IA J502
Geometrics M J183
Geometrics/Nimbus M J009
George Moss Pty. Ltd. M J183
Getty Oil P M393
Gibraltar Mines MF J150
MF J211
Gold Fields of South Africa MF J033
MF J092 A M206 MF J310
Gold Mines of Kalgoorlie MF J074
Goodyear M J463
Gopeng ME J169

H

Halifax Tool Co. M J141
A M333
Hamersley Holdings MF J111
MF J255 IA J430 IA J446
Hanna Mining MF J147
MF J433
Harnischfeger P M007
A M225 M J410
Hazemag M M271
Hecla Mining MF J166
Hewitt Robbins P M297
Hilti (Great Britain) Ltd. M J389
Hindustan Copper IA J372
Hindustan Zinc Ltd. IA J143
Hollinger Mines MF J418
Holtuis B.V. M J224
Homestake Mining MF J213
Horwood Bagshaw Ltd. M J085
Hudson Bay Mining & Smelting MF J150
MF J311 MF J359 MF J492
Jughes Tool Co. M J205
Hunting Geology IA J327

Hunt International MF J017
MF J171

I

Idris Hydraulic Tin ME J491
MF J492
Impala Platinum MF J147
ME J148
INAX Instruments M J326
M J484
Industrial Screen and Maintenance Inc. M J106
Ingersoll-Rand P M007
M M087 A M111 A M209
A M325 M M457
Inland Steel IA J288
MF J510
Inspiration Cons. Copper IA J188
MF J512
International Bauxite Association MW J007
IA J030
International Harvester M J064
M J303
International Monetary Fund N J173
IA J372
International Nickel Co. M M085
MW J103 IA J162 IA J163
IA J187 MF J190 IA J249
IA J305 MF J333 IA J372
IA J392 IA J430 IA J447
IA J504
International Primary Aluminium Inst. IA J429
International Tin Agreement IA J089
International Tin Council IA J328
IA J351 MW J386
Interreducts AG M J159
Irad Gage M J246
M J463

J

James Miller & Partners A M421
Jarvis Clark A M113
A M207
J.C. Bamford Excavators M J204
Johannesburg Cons. Investment MF J050
MF J130 MF J311
Joy P M007
A M325

K

Kaiser Aluminum MF J055
MF J257 MF J314 IA J413
Kaiser Engineers IA J109
Kaiser Steel IA J445
Kennecott Coal Co. IA J089
Kennecott Copper M J111
IA J125 IA J306 MF J310
IA J371 MF J397 IA J447
Kerr Addison MF J150
MF J314 MF J396
Kerr McGee IA J067
MF J293
KHD Industrieanlagen AG M J106
Kismet Dynaflex M J426
Komatsu M J043
Komax Systems Inc. M J500
Kombinat VEB Kabelwerk Oberspree "Wilhelm Pieck" M J009
Korea Tungsten Mining IA J068
Fried. Krupp M J140
M J245 IA J250 M M272
A M331
Kuala Kampar Tin Fields Berhad MF J512

L

Lacana MF J416
Landay Drilling Supplies M M454
IA J487
Leco Instruments M J205
Lehane, Mackenzie and Shand A M421
Lepanto Consolidated MF J453
Liberian American-Swedish Minerals Co. MF J338
Liberian Iron Ore MF J490
Lincoln St. Louis M J444
Linden Alimak M J085
A M335
LKAB M J123
IA J466
London Metal Exchange MW J265
MW J302
Longyear Company M J224
Lornex Mining IA J327

M

3M United Kingdom Ltd. M J160
Machinoexport A M225
Waco-Meudon A M325
Malaysia Mining Corporation MF J512
Manitoec A M238
Marathon Steel Co. M J027
Marion A M225
Marubeni IA J306
Mary Kathleen Uranium MF J092
IA J307
Machinenfabrik Buckau R. Wolf AG M J348
Massey-Ferguson M J268
Matthew Hall Ortech IA J392
Messina (Tvl) Development MF J304
Metallgesellschaft IA J047
IA J327 IA J429
Metallurgie Hoboken-Overpelt IA J503
Metals Exploration IA J466
MIM Holdings MF J128
MF J419

Mindequip IA J163
Mineralogical Association of Canada A M041
Minerals & Metals Trading Corp. IA J068
Mining and Transport Engineering MF IA J272
IA J329
Minorco MF J167
Mitsui A M330
Montabert A M325
Mount Isa MF J278
Mount Lyell MF J113
MF J171
Richard Mozley Ltd. A M045
Murphy Bros. A M421

N

National Coal Board N J037
IA J069 P M009 M J123
IA J144 A M161 IA J163
IA J327 A M421 IA J467
National Mine Service Co. M J085
M J388 M J464
Nchanga Cons. Copper MF J191
NCK Rapier A M225
NEI Clarke Chapman P M105
Newell Dunford M J304
Newmont Mining IA J188
MF J253 MF J378
Niobec Inc. P M482
Nippon Light Metal IA J372
Nitro Nobel IA J067
Nobel's Explosive Co. M J043
Noranda IA J108
MF J150 MW J201 IA J227
MF J253 IA J270 IA J273
IA J305 IA J391 IA J392
IA J414 A M408 MF J435
IA J447
Nordberg A M111
Norsk Hydro IA J143
North Broken Hill MF J093
Northgate Exploration MF J150
Northwest Engineering A M225

O

Ocean Mining Associates H M081
Omni-Lift Inc. M J368
O'okiep Copper MF J113
MF J395
OPEC E M103
IA J306
Orenstein & Koppel P M205
Ore Sorters Africa (Pty) M J484
Ores Sorters (Australia) A M037
Outokumpu Oy MF J278
A M208 IA J429 MF J449
Ozark Lead Co. IA J188

P

Pacific Tin MF J510
Padley & Venables IA J047
A M331
Page Engineering A M234
Pakistan Mineral Development Corp. IA J066
Palabora MF J073
MF J150 MF J277 MF J315
Pancontinental Mining P M393
Patino NV MF J018
MF J276 MF J419
Peko-Wallsend MW J119
Penarroya MF J490
Pengkalen MF J169
ME J170
Perini & Scott M J086
Perusyhtyma Oy M M457
Petaling Tin MF J455
Peter Brotherhood IA J504
Phelps Dodge MF J129
A M206 MF J337 MF J378
MF J434
N.V. Philips M J105
Pine Point Mines MF J149
MF J359
Placer Development MF J094
MF J113 MF J375
Poclain M J303
Potash Corporation of Saskatchewan IA J047
Preussag IA J370
Primary Aluminium Institute IA J328
Princeton Gamma-Tech M J160

Q

Queensland Mines MF J194

R

Ralph M. Parsons Co. IA J487
Randfontein Estates ME J332
MF J337
Rand Mines MF J311
Ransomes and Rapier A M234
Rautaruukki Oy MF J510
Reed Tool Co. M J444
Renison MF J113
IA J207
Republic Steel MF J355
Research Energy of Ohio Inc. M J303
Research Products/Blankenship Corp. M J349
Rexnord Conveying Equipment M J028
Reynolds Metals IA J089
MF J276
Richard Costain A M421
Richards Bay Iron and Titanium MF J114
Rimpull M M185
Rio Algom MF J276
MF J419 A M396

Rio Blanco Oil Shale Co. P M201
Rio Tinto Minera P M295
Rio Tinto-Zinc MF J050
MF J191 IA J270 MF J333
ME J450 MF J453 N J463
Roan Consolidated Mines MF J191
IA J288 MF J396
Robbins Co. M J105
A M111 M M185 A M319
N J368
Robertson Research Group IA J067
Roman Corp. IA J370
Rome Industries M J245
Rosario Resources Corp. MF J019
MF J355 MF J435
RTZ Chemicals Ltd. MF J035
RUD-Kettenfabrik Rieger & Dietz M J159
Rustenburg Platinum ME J052
MF J054 ME J312 MF J313
A M408 IA J446

S

Sabina Industries IA J502
Saboteur Vehicle Co. Ltd. M J388
St. Joe Minerals IA J046
MF J311 MF J455
Sala International M J411
SA Manganese Amcor MF J293
SAMIIA M J463
Samin IA J391
Sandia Laboratories M J064
Schramm A M325
Scintrex M J464
Seco A M325
Selco Mining IA J010
Selection Trust MF J295
MF J374 ME J376 MF J469
P M481
Sentrust MF J130
Sepor Laboratory Supply M J141
Serpentix Conveyor Corp. M J008
Servis Recorders (Industrial) Ltd. M J349
Shaft Sinkers (Pty) IA J208
Shell IA J142
IA J186 IA J225
Shepard Hill & Co. A M421
Sherritt Gordon IA J089
IA J271 MF J375 MF J419
P M395 IA J447 IA J504
Sibeka IA J502
J & S Sieger Ltd. M J303
SIG A M325
SILEC DSI M M272
Simonacco M J246
M M552
Soc. de l'Industrie Minerale M M374
Soc. Le Nickel IA J162
MF J258 MF J507
Societe Nationale Industrielle et Miniere (SNIM) MF J130
IA J143
Society of Mining Engineers of AIME IA J372
Solidate M J205
Sonotek M J348
South Crofty IA J327
Southern Peru Copper Corp. IA J187
IA J249 IA J273 IA J307
IA J350
SRI International M J369
The Staples Co. M J205
Staplex Co. M J304
Steiger Tractor Inc. M M277
Stenuick A M333
Stephens-Adamson M J064
Straits Trading MF J451
ME J455
Sumitomo Metal Mining IA J288
Sunshine Mining IA J186

T

Oy Tampella M J269
A M347
Tara Mines IA J429
Taylor Woodrow IA J067
IA J108 A M421
Teck Corporation MF J016
MF J095 MF J114 IA J271
IA J328 MF J471
Terex A M423
Texasgulf IA J046
MF J093 A M318 P M393
MF J455 MF J473
Tharsis Sulphur and Copper MF J394
Timken A M331
Toho Zinc IA J466
Tokyo Pneumatic A M330
Torque Tension M J269
Toyo Kogyo A M325
Trelleborg Rubber M J326
Trewhella Brothers M J286
Tronoh Mines MF J453
ME J454
TRW-Mission A M339

U

UC Investments MF J166
ME J167
U.K. Institute of Geological Sciences IA J270
Unctad N J237
MW J365 MW J386 MW J443
Union Corporation MF J072
MF J192 ME J193 ME J252
MF J256
Union Miniere MF J295
MF J470 ME J472
Union Oil Corporation MF J019
United Nations IA J249
A M533
United Nuclear Corp. IA J446
Unit Rig & Equipment M J326
University of Denver Research Inst. IA J047
UOP Inc. M M271
Uranium Institute H M269
U.S. Geological Survey IA J010
U.S. Steel Corp. MW J023
Utah Development IA J207
UV Industries MF J094

V

Vaal Reefs MF J216
ME J234 MW J495
VEB Technische Textilien Meerane M J205
Vecor Heavy Engineering M J044
Vereeniging Refractories MF J235
Vestgron Mines MF J149
MF J378
Volvo M M454

W

Wabco M J224
Wagner Mining IA J109
A M113 A M209 A M319
Weaver and Hurt A M335
Weir Pumps M J464
Weserhutte A M225
Western Areas ME J254
MF J257
Western Mining MF J073
MF J166 IA J352
Western Nuclear Inc. P M007
Western Selcast IA J206
Westfalia Lünen M J484
Westinghouse Electric Corp. IA J068
IA J307 IA J392
Westralian Sands MF J417
George Wimpey & Co. MW J007
A M421
Wirth M J268
M M372 M J444
Worthington Compressors A M330

Z

Zambia Copper Investments MF J149
Zinc Development Association A M525

Published by the Mining Journal Limited, 15 Wilson Street, London EC2M 2TR, and printed by CPA(Printers)Limited, 5/6 Thomasin Road, Burnt Mills, Basildon, Essex SS13 1LG

MINING journal VOL.293

AND

MINING magazine VOL.141

INDEX

1979

JULY - DECEMBER

CONTENTS

Metals and Minerals Page 1

Countries Page 4

Methods and Machines Page 8

Companies and Other Public Bodies Page 11

INDEX CLASSIFICATION

A	Article	L	Letters	N	Notes and Comments
D	Mining Digest	M	Methods and Machines	O	Obituaries
E	Editorial	ME	Company Meetings	P	Panorama
H	Highlights	MF	Mining Finance	R	Book Reviews
IA	Industry in Action	MW	Mining Week	S	Metal Markets

This combined index covers the complete editorial content of both Mining Journal and Mining Magazine. Additional copies may be obtained from the Subscription Department.

Metals and Minerals

ALUMINIUM

Adequate aluminium supplies N J002
New company for Gladstone IA J012
Fuel cuts may slow Japan's Al production IA J013
20% stake in Valesul up for sale IA J027
Brazil: U.S. companies plan aluminium investment IA J044
Alcan resumes talks S J048
Hunter Valley Al plans progressing IA J071
Japanese stockpile release imminent IA J073
Aluminium set for a rally S J075
Cheap energy fires Arab smelter projects MW J103
Another Gladstone Al smelter IA J108
Cameroun aluminium IA J109
Alcoa restarts 4th potline IA J109
Japan releases aluminium IA J110
Aluminium: steady progress S J111
Spector reports MW J122
Strong demand for aluminium S J130
Further smelter developments in Australia MW J139
India: duties on Al imports waived IA J149
Aluminium also down - but demand is strong S J151
Comalco. agreement signed IA J169
Goldendale ups Al capacity IA J170
Kaiser builds pre-bake cells IA J191
Aluminium gains ground S J193
Alusuisse not discouraged IA J217
One potline down for Alcoa IA J221
Storm cuts Pechiney output IA J221
July primary aluminium IA J221
Aluminium inventories fall S J226
Into the aluminium big league MW J293
Indian Al cutbacks IA J299
Primary aluminium output figures IA J300
Aluminium price rises S J302
Alumina facility for Orissa? IA J320
India rejects aluminium buffer stocks suggestion IA J320
Strong demand for aluminium S J322
Joint aluminium venture for Philippines IA J341
Alumax increases size of proposed smelter IA J342
China plans aluminium refinery IA J363
Pechiney denies force majeure IA J365
Aluminium sets the pace S J366
New alumina export contracts MW J377
Alcan to upgrade Vaudreuil IA J388
Aluminium squeeze continues S J392
Mitsui Aluminium to cutback IA J409
Aluminium smelter for Trinidad and Tobago IA J409
Al plant for China IA J409
Albras-Alunorte project at risk IA J425
Dubai smelter starts production IA J426
Australian Al smelter project IA J443
Australian alumina for Bahrain IA J443
Smelter strikes boost aluminium S J446
Metals in 1980 N J453
Tightness easing? MW J455
Lochaber smelter modernisation IA J462
Aluminium in demand S J463
Worsley aluminium project approved MW J475
India plans Al imports IA J481
Final phase for La Baie smelter IA J501
Talks on Al smelter for Philippines IA J502
Aluminium slips S J506
In need of a white Christmas IA J526
Japanese refiners to supply Asahan IA J527

ANTIMONY

Antimony quote dropped S J031
Major programme at antimony mine IA J408
Taking stock: antimony and tungsten N J518

APATITE

Finland to mine apatite P M409

ASBESTOS

Quebec Asbestos Institute IA J109
A test of fibre MW J378
Quebec calls for expropriation talks with Asbestos Corp. IA J462

BARYTES

Barytes in Scotland IA J027
Indian barytes exports increase IA J223

BAUXITE

More Venezuelan bauxite IA J044
Trombetas shipment, OPEC prices boost HEP IA J148
Jamaica bauxite, aluminium plans IA J267
Compensation for Jamaica IA J300
Guyana to sell bauxite for U.S. stockpile? IA J321
Latest moves in Jamaican export levy dispute MW J337
Jamaica bauxite production up IA J342
Jamaica's new bauxite levy formula IA J365
New bauxite-alumina enterprise IA J410

BENTONITE

Bentonite in Rajasthan IA J479

BERYLLIUM

Brush Wellman expansion IA J342

CADMIUM

Cadmium shortage developing S J483

CHROME

Loan for Madagascar chrome ore plant IA J028
High U.S. chromium use IA J028
S.A. chrome to Japan IA J171
Ferrochrome plant for Greece IA J269
India exports chromite, manganese IA J343

COAL

Greek lignite developments IA J012
U.S. coal research consortium IA J012
U.K. government affirms coal policy IA J013
Impetus for European coal N J021
Canmore closure IA J028
New Romanian coalfield IA J045
Contract for Oaky Creek IA J045
Trial coalface for Deep Duffryn IA J046
New gasification process IA J047
Multiphase coal progress MW J066
Chilean coal IA J070
Japanese steam coal deal IA J072
Togston contract IA J073
Opencast coal in Burgundy A M041
No easy road for U.K. coal N J101
Sumitomo buys Australian coal interest IA J109
Long term contracts for Wambo IA J110
Japanese coal consortium IA J110
Blair Athol coal deal MW J122
£20 million contract for Strathclyde coal mine IA J128
Sweden: coal mining and trading co. IA J128
Queensland coal producers seek rail link MW J165
Coal on the Cape Horn route IA J171
Need for a comprehensive coal policy MW J185
Tripartite coal liquefaction IA J190
Coal gasification in the U.S. IA J190
New Czech lignite mine IA J191
Miller coal to Japan IA J192
More from Black Thunder IA J192
Coal liquefaction: China-Japan proposal IA J219
Sasol-Fluor marketing agreement IA J221
EPRI boosts funds IA J244
Seaborne coal N J257
Yugoslavia: coal, lead-zinc mines IA J267
New coal loader ay Hay Point IA J267
NCB's "Plan for Coal" makes progress P M163
Helwan: a major industrial site A M185

Increase in coal mining fatalities NW J295
West Germany still ahead NW J315
Major coal deal NW J316
JV on NSW coking coal prospect IA J319
German Creek coal IA J319
GEC supplies NCB coal breakers IA J321
Further development in Bowen Basin NW J335
Further coal development in Thailand NW J335
Line Creek coal development IA J341
Nymboida closure IA J341
New coal mine opens in Wyoming IA J342
Crushing plant for Australian power station IA J342
Kaiser awarded coal mine study IA J343
Weserhutte equipment contract IA J343
Natal coal expansion IA J363
Importance of lignite in Romania P M323
Hydraulic mining for Rocky Mountain coal A M330
Coal gasification in Wyoming? IA J388
Black Thunder expansion IA J388
Indian coal production up IA J389
Oakbridge coal contracts IA J409
New coal terminal IA J409
Opencast contract for SGB Group IA J409
Australian Govt. cuts coal levy IA J410
Howell on coal NW J421
NSW coal survey programme IA J425
U.S.S.R. reports coal finds IA J425
Shell finance for German Creek IA J425
Cumbrian coal gets go-ahead IA J426
Chinese coal mine starts production IA J426
MIM buys interest in Oaky Creek IA J426
Boosting steam coal exports to Japan NW J439
Marubeni to develop coal in Alaska IA J443
Production at Tuzla IA J443
Norco coal expansion IA J444
Increasing role for coal NW J457
Indians to develop Montana coal IA J461
The Hambach project A M440
Ruhrkohle AG A M446
Hansa mine A M449
Poland's research towards underground gasification of hard coals D M535
Bridging the gap NW J476
No useful coal IA J479
New coal mine for Texas IA J479
Polish coal for Austria IA J481
Birds of a feather IA J501
Brown coal for WMC IA J501
Plans for Ridley Island coal terminal IA J502
Japanese coal import consortium IA J503
Minister agrees to opencast mining at Edmondsley IA J503
General Dynamics closes Illinois mine IA J526
First stage of Belvoir inquiry adjourns NW J543
Haiti exploit lignite deposit IA J546
Bethlehem shuts down five mines IA J546
Increasing interest in oil from coal P M551

COBALT

Nchanga cobalt expansion IA J011
Cobalt - flying high NW J039
More Moroccan cobalt IA J072
Teledyne interest in Professor IA J090
Cobalt from Sudbury slag IA J425
Uganda cobalt and sulphur development IA J479
Roman Corp. Mexican development IA J502

COPPER

Snow Lake mill on stream NW J005
A roaster for Lepanto IA J012
Philippines copper IA J013
Modest recovery for copper S J015
Teutonic Bore goes ahead NW J023
Tenke Fungurume reactivation IA J027
Unctad copper talks: no solutions IA J029
Blister from Tennant Creek? IA J029
Copper shortage developing? S J031
Reserves at Luanshya and Baluba IA J045
Copper remains nervous S J048
Finance for Peru NW J066
Sieroszowice shaft sinking IA J071
Colombian copper talks IA J072
Optimism for copper S J075
La Caridad ceremonially opened P M009
Woodlawn in production A M014
Copperbelt down to the bone NW J083
Benambra results IA J090
Investment would boost Ugandan Cu, Co earnings IA J090
Copper swings S J094
Oman copper goes ahead NW J103
Disputada restarts this month IA J109
Madeleine produces again IA J109
Copper bounces back S J111
Major Canadian copper deposit IA J126
Two plans for Tintaya IA J127
Antamina investments IA J127
Andocollo will go IA J127
Fluor and Furukawa join forces IA J128
Copper demand continues S J130
Major projects report NW J139
Thinking big at Ok Tedi NW J143
Messina will refine copper IA J146
Credit for Andocollo IA J146
Shipments from Dianne IA J148
PASAR bids close IA J149
Copper's gains eliminated S J151
Teutonic Bore copper-zinc go-ahead P M091
Palabora to extend life of open pit NW J163
Peruvian copper deposit IA J169
Chingola overburden stripping halted IA J170
Falling copper stocks S J173
BRGM at Tintaya NW J187
Endeavor in Sulwesi IA J190
Carr Fork will produce in September IA J190
Khetri shut down IA J191
Copper takes breath S J193
Canadian copper-moly discovery IA J217
Copper in Southern India IA J217
Chile investment request IA J219
Cities Service copper projects IA J219
Bacteria mine copper in U.S.S.R. IA J219
Japan July copper S J221
Brief boost for copper S J226
Copper prospect in Fiji IA J243
Colombian copper reserves IA J243
Detour go-ahead IA J244
Copper steady S J246
Copper in Bhutan IA J267
Codemin's interest in Cerro Colorado to be reduced? IA J268
Unctad copper talks resume IA J268
Speculative surge in copper S J270
Oman copper project underway P M169
Copper: case for the bulls N J289
Saindak progress IA J298
Cerro Colorado IA J298
Loans for La Caridad IA J299
New equipment for Cobriza IA J299
Indian multi-metal pilot plant IA J299
Chile's copper output falls IA J300
Setback for copper S J302
Olympic Dam - a giant mine in prospect NW J313
Indonesian copper exploration IA J319
Utah withdraws from Sulawesi option IA J319
Flash smelter for Bulgaria IA J321
Depressing time for copper S J322
Indian Ocean - French mission finds nodules IA J341
Loan for Highmont mining project IA J341
Work suspended at Oracle Ridge IA J341
NCCM plant takeover IA J342
Running out of steam S J344
Downturn predicted NW J359
Tanzanian copper and nickel IA J363
Japan examines Asian copper IA J363
Polish copper fails to reach target IA J364
Copper perks up S J366
Copper oxide project in Chile D M395
Major expansion planned for Lornex NW J377
Taiwan increases refining capacity IA J389
10-year lease for N. Manitoba mine IA J389
Copper firmer S J392
Mareeba upgrades copper resources IA J408
Philippines considers copper smelter tender IA J409
Indian copper smelter producing again IA J409
Clear exit for Zambian copper IA J410
Uptrend for copper S J411
Leaching to start at Gunpowder NW J420
Copper talks in Iran IA J426
Yugoslavian copper production IA J426
Japan copper sale to U.S. IA J426
Firm demand for copper S J428
Los Pelambres survey IA J443
O'okiep development programme IA J443
Copper plant modernization IA J443
Roasting plant for Sweden IA J444
Copper firmer S J446
Metals in 1980 N J453
Tibetan copper discovery IA J460
Peruvian pilot plant IA J461
Zambian copper shipment contract IA J462
Copper firmer again S J463
New partnership proposes small underground mine at Detour, Quebec P M415
Copper, nickel, cobalt availability N J469
Urgent efforts to move copper NW J475
Sulawesi drilling programme IA J479
PNG government receives study IA J481
Copper eases after early gains S J483
Production at Bucim mine IA J502
Arizona projects boost copper production IA J502
La Caridad copper arrives in Europe IA J502
Cerro Verde contract IA J503
Bank loan for Chilean copper co. IA J503
Fall in exports anticipated IA J503
Copper dips S J506
Copper production increases IA J526
Copper eases S J529
Government green light for Olympic Dam P M553

DIAMONDS

Pipes for Seltrust IA J011
Diamond sales slow down IA J046
Diamond quests at Aukum IA J070
Diamond quests at Tarcoola IA J070
Ashton tests encouraging IA J090
Diamond price rises IA J171
Copeton hopeful IA J243
Ashton JV diamond sampling continues P M167
Ashton JV - diamonds at depth IA J341
More diamonds for Ashton IA J363
Indian diamonds IA J363
Diamonds for Sri Lanka IA J364
ACM in drill programmes IA J388
Ashton names diamond province IA J408
Ashton jv interim report IA J546

GEMSTONES

Tanzanian gemstones IA J014
Colombian emerald exports IA J300
Gem prospecting in Sri Lanka IA J546

GOLD

News from Bachelor Lake IA J011
The Wurutzau gold complex NW J024
Maple leaves in September IA J029
Precious metals gain strength S J031
Gold to the fore NW J041
Nevada gold project has Canadian backing IA J044
S.A. gold half-year IA J045
$A100 gold coin plan IA J046
GSI gold hunt IA J070
New Australian rush NW J087
Costa Rica restart IA J091
SA set coin counterattack IA J092
Financing for Pinson IA J108
Krugerrands: July record IA J110
Rhodesian gold mine development? IA J127
Philippines may re-open gold mines IA J146
Detour agreement IA J146
Gold from Mt. Ida IA J148
S.A. Gold production: July IA J149
On the March again NW J165
Maple Leaf on sale from September 6 IA J171
Encouraging start to Ashburton gold search IA J190
Commemorative gold coins from China IA J191
Upper Volta gold discovery IA J217
Haveluck a possibility IA J217
IMF gold auction IA J221
August Krugerrand sales down IA J221
Gold producers surge ahead MF J227
Production to resume at Chibex? IA J267
Carolin Mines development IA J268
Loan for Masbate gold project IA J268
Unisel: official opening NW J291
ET Cons to spend R2 million IA J299
Dominion gold prospect in Quebec IA J300
More gold at Central Norseman IA J319
Masbate opening ahead of schedule IA J319
Shaft sinking at Western Areas IA J319
Ugandan gold ban IA J320
Krugerrands in Hong Kong IA J321
Extension of Orogrande main zone IA J341
Change in gold sale procedure IA J341
SA gold production down IA J342
Running out of steam S J344
Gold and Chrome prospects IA J363
Deelkraal precipitates first gold IA J363
Rise in U.S. gold production IA J364
St. Joe/Tuba agreement IA J364
Argentina exports gold IA J364
Official opening of Unisel gold mine P M323
Peko Wallsend gold find IA J388
New gold-copper zone IA J388
Tasmanian gold mine reopening IA J388
Exploration at Cassiar IA J408
Encouraging results for Talisman and Card Lake IA J408
North Kalgurli plans gold production IA J408
Goldmark season over IA J409
Low-grade gold at Griffins Find IA J425
GSI finds gold mineralisation IA J443
Fall in gold production IA J443
Cripple Creek-Crown Central contract IA J444
Fall in Krugerrand sales IA J444
Northgate to explore Orofino property IA J460
Drilling programme at Rowan Lake IA J460
Dora drill programme IA J460
Porcupine to drill at Paymaster? IA J460
Production plan for Muir Island IA J461
Deelkraal ready to start trial milling P M409
New Free State gold mine? IA J479
Preliminary work at Specogna IA J479
Samantha report low-grade gold IA J479
Assay results from Baretta, Oregum IA J479
Move towards gold bullion sales IA J481
Portable gold assay analyser IA J482
Village Main to continue gold production NW J497
W. Australia gold find IA J501
Diamond drilling at Rousseau IA J501
Costa Rican pilot plant IA J501
Work starts on Chinese gold mine IA J501
Kiena seeks finance IA J502
Gold import tender for Thailand IA J503
Gold breaches $450 S J506
Siana gold project IA J526
Morning Star mine may reopen IA J526
Benguet takes over Atok's gold mine IA J527
Krugerrand sales rise sharply IA J527
Australia to mint gold coins in 1980 IA J527
Hong Kong to issue gold coins IA J547
Dominican Republic becomes sole owner of gold mine P M555
New U.K. precious metals refinery A M570

GYPSUM

More Yugoslavian gypsum IA J149
Gypsum find in Yugoslavia IA J363
Oman gypsum deposit IA J460

INDIUM

Indium shortage S J392

IRON

Mt. Newman commissions HMS plant NW J007
Philippines iron project IA J012
Bababudangiri revealed IA J070
Full-scale grinding at Hibbing Taconite IA J071
Guelbs loan sanctioned IA J071
Steel output rising IA J072
Peru ups iron ore sales IA J072
WA iron ore production boosted P M011
Sumy iron ore IA J090
Pilbara pressure on Japanese stockpiles IA J093
D-R for Burma IA J128
Minnesota iron ore reserves IA J146
Ore reaches Hunterston via Rotterdam IA J149
Sweden's LKAB optimistic about future for pellets P M093
Direct iron ore reduction plants for developing nations M M131
Guelbs financing details IA J170
Kaiser sells Hamersley interest IA J170
Iron ore and alumina projects NW J183
Isfahan underproducing; expansion plans IA J191
Kudremukh let down IA J217
Plans to increase steel output NW J240
E.E.C. steel reorganisation IA J244
Iscott D-R contract IA J245
Kaiser Engineers in China P M167
Helwan: a major industrial site A M185
Lamco prepares for the next decade A M192
Iran retrenches steel plans IA J299
The Kostamus project NW J315
Stage two of Sicartsa launched IA J320
BHP wins iron ore contract IA J410
Peru iron sale hopes IA J426
Marandoo lease for Hancock IA J444
Mauritania to exploit iron ore IA J460
Haverlahwiese mine A M436

Plans for new Pilbara iron ore mine IA J479
Iron mining project is deferred IA J501
Kazakh iron ore project IA J501
Brazilian iron ore for Rumania IA J503
Venezuelan iron and steel P M553
The market for Venezuelan iron ore D M623

KAOLIN

Tenders in Algeria IA J192

LEAD

Bull's eye at Ball Eye IA J011
Asarco: 20% cut in July lead shipments IA J013
Tara lifts force majeure IA J013
Smelter closure contributes to lead recovery S J015
Disappointment for lead S J031
Brief rally for lead S J048
Pb-Zn at Cirque IA J070
Yava going IA J072
Lead-zinc: less ore, more metal IA J072
Recovery for lead but zinc slips S J075
Indian lead and zinc, 1978 IA J091
Lead sags but picks up later S J094
Ozark plans expansion IA J109
Lead also makes headway S J111
Lead's changing market N J137
Lead slides S J151
New lead-zinc concentrator at Snow Lake, Canada P M094
Taracorp acquires lead plants IA J170
Lead undecided S J173
Lead makes headway S J193
Boost for lead S J246
Cyprus Anvil force majeure IA J268
Lead: copper and stock rise factors S J270
Frank R. Milliken - the new name for Ozark Lead Mine... P M165
Pb-Zn in West Bengal IA J298
Lead production down IA J300
Lead slides S J302
Start-up at Gays River project IA J342
Cyprus Anvil lifts force majeure IA J342
Lead and zinc slip S J366
No force majeure IA J409
Mixed fortunes for lead and zinc S J411
Lead bounces back S J428
Cominco's confidence NW J439
Lead mine reconstruction IA J443
Lead slides S J446
Lead/zinc in tune S J463
Rammelsberg mine A M420
Meggen mine A M426
Outlook uncertain NW J475
Exploration continues at Millstream IA J479
Italian lead smelter IA J502
Lead in the doldrums S J506
Lead slips again S J529
Production starts at Broken Hill NW J542
Lead and zinc figures for non-Socialist world IA J546
Port Pirie looks beyond Broken Hill IA J547
Development of NWT Pb-Zn mine P M555

LIMESTONE

Underground limestone mining at Dalen A M172
Tilcon invest at Marsden Quarry IA J342

LITHIUM

Lithium in Bolivia IA J027
Bolivian lithium IA J070

MAGNESIUM

If the price is right? NW J106

MANGANESE

Another Ukranian Mn mine IA J072
Middelplaats official opening NW J183
A W. German view of manganese nodule mining D M307
Middelplaats manganese P M325
FIMI seeks export increase IA J444
Manoeuvres begin for 1980 price target NW J497

MARBLE

Syria mines marble IA J046

MERCURY

Monte Amiata may restart IA J045
Almaden Mines and its research programme A M586

MOLYBDENUM

New moly plant at El Salvador IA J028
American metal, American problems NW J105
Underground at Trout Lake IA J108
CSR at Mount Pleasant IA J267
Moly at Red Mountain IA J298
Noranda moly force majeure IA J299
Molybdenum price increases S J344
Chilean moly output IA J364
Bright future for moly S J411
Mineralisation from Nuspar drilling IA J479
Slow progress at Quartz Hill NW J521

NICKEL

Shortages and rising prices ahead? NW J024
Burundi potential NW J040
Agnew nears target rate IA J045
USBM to test nickel process IA J047
Set fair for nickel? N J117
Seltrust plans 50% more from Agnew IA J149
A nickel smelter for New Zealand? IA J190
Nickel refinery strike continues S J226
Cheaper ore for Japan NW J237
Solar energy could boost demand NW J264
Will Gag go? IA J268
Inco et al NW J291
Nickel at Mt. Keith IA J298
Inco close Clydach nickel refinery IA J341
Boost for nickel S J344
Replacement refinery for Rustenburg IA J364
Nickel in the doldrums S J366
Glogovac development IA J425
Long term nickel shortage forecast S J428
Nickel producer price rise in offing? S J463
Boost for nickel S J506
The Agnew nickel project A M556

OIL

Common strategy from Tokyo N J001
Oil shale search IA J011
Syncrude suffers instability IA J012
Go well, go shale NW J039
Amoco and Shell take mutual interest IA J090
Zambia: oil from coal IA J091
Approval for Alsands IA J108
Oil sands approved IA J127
Tenneco buys into Colorado oil shale project IA J127
Oil for the future NW J141
Mixed oil blessings NW J143
Colorado and Utah oil shale projects IA J147
Energy conservation E M087
Indonesia: mining sector expansion IA J219
Alberta Energy sells interest in Syncrude IA J243
1979 - oil called the tune N J537
Chattanooga shale: viable deposit IA J546
Increasing interest in oil from coal P M551

PHOSPHATE

Christmas cavil? NW J007
Kemira readies first apatite mine NW J040
Syria seeks drills IA J046
U.S.S.R. tracks phosphate IA J070
Brazil's ambitious phosphate plans P M013
Aurora approval sought IA J126
Christmas Island: wage rises granted IA J128
IMC expansion IA J146
Khouribga phosphate mines, Morocco D M149
Tenders in Syria IA J192
Texasgulf: expansion at Lee Creek IA J244
Extraction from phosphate rock NW J316
Phosphate rock JV IA J320
Air separator for India IA J343
No Christmas cheer NW J473
Christmas Island inquiry IA J546

PLATINUM

Inco platinum force majeure continues IA J245
Sound base for platinum N J309
New U.K. precious metals refinery A M570

POTASH

Thumbs down for Whitby Potash NW J105
Saskatchewan: towards a payments contract - and expansion? NW J121
IMC potash plans IA J268
Potash agreement imminent IA J365
Potash development contract IA J389
Potash recovery in Jordan IA J409
Rock salt and potash mining A M437
Chevron finds potash IA J501

RARE EARTHS

Rare earths in Kenya IA J012

SALT

Rock salt and potash mining A M437
Road to Caka Lake IA J502

SILVER

Mine production rising NW J023
Demand forecast for silver S J048
Ifs and buts for silver N J081
Bell Mountain: production decision IA J126
Hecla plans new shaft IA J170
Silver soars S J173
Silver shines S J193
Silver/tin disposal bill approved IA J245
Bunker Hill silver expansion IA J267
Silver disposal plans thwarted IA J268
Court upholds Silver Syndicate's 50% ownership IA J319
Less silver to leave india IA J409
Atlina exploration IA J425
Silver found in Nova Scotia IA J460
High grade silver at Smallwood Lake IA J501
Further details from Marble Bar IA J501
Silver wraith IA J527
Silver soars S J529

SULPHUR

Sulphur project at Terrebonne Bay IA J320

TALC

Mokta talc and iron IA J044

TIN

Tin unsettled S J015
Endeavour consortium intensifies tin drilling programme IA J027
Tin topples S J031
Tin settles down S J048
Buffer stock prices raised NW J067
Tin weakens S J075
Developments in S.W. England P M009
New lease of life for Wheal Jane NW J083
Dominion sells tin mines IA J092
Tin still slipping S J094
Tin follows the pack S J111
U.S. bogey NW J123
More for Geevor IA J127
Slack period for tin S J130
Zaire investment in tin mining IA J146
Vinto refinery opened H M123
Tin improves S J173
Tin steady S J226
Thailand seeks to limit illegal operators NW J239
Producer league changes NW J240
Improvement maintained in tin S J270
RTZ plans to reopen Wheal Jane P M169
Nigerian tin and columbite IA J300
Reduced production boosts tin S J302
Supply squeeze bolsters tin S J322
MMC plans own smelter IA J342
Thai tin exports up IA J343
Setback for tin S J344
NSW tin exploration IA J363
Rooiberg tin smelter start-up IA J364
U.S. stockpile sales IA J364
Firm undertone from tin S J366
Renewed squeeze on tin S J392
Fall in Malaysian tin output IA J409
Tin rides high S J411
Tin subdued S J428
Tin very steady S J446
Budget boost for tin miners NW J457
Tin bounds upwards S J463
Tin round-up NW J466
Floods hit mine output IA J482
Tin regains confidence S J483
Coup hits Bolivian tin output NW J495
Confusion for tin S J506
New peak for Penang tin S J529
VIP plan offshore tin venture IA J546
Senate passes Tin Bill IA J547

TITANIUM

Enterprise Board calls for U.K. titanium plant IA J044
Brazil titanium find IA J146
Go-ahead for NEB titanium project IA J169
Sri Lanka ilmenite expansion IA J191
CGFA and AMC in W.A. mineral sands IA J191
Teesside titanium plant IA J363
Tightening squeeze on titanium N J433
No titanic aircraft! IA J482
NEB choose Shotton for titanium plant IA J503
W. Germany wants more U.S.S.R. titanium IA J480

TUNGSTEN

Kolar scheelite recovery IA J028
Billiton and Brunswick Tin at Mt. Pleasant IA J126
Panasqueira develops for the future A M096
NRD completes scheelite mine purchase IA J190
Stockholm success NW J207
Tungsten talks break down S J246
No accord again NW J263
Anschutz tungsten expansion IA J268
Ortech wins contract IA J364
UNCTAD tungsten meeting IA J365
Hemerdon - Britain's largest tungsten deposit A M342
First International Tungsten Symposium A M365
Scheelite project IA J443
Amax to explore Cligga Head IA J460
Taking stock: antimony and tungsten N J518
Tungsten find in Bhutan IA J526

URANIUM

Joggar uranium contractors IA J014
Manitoba uranium deal IA J027
Supply analysis system for DOE NW J041
Cogema plans surplus uranium IA J045
U from Tunisian phosphate IA J072
Czech uranium mill starts IA J072
Gallup hole IA J072
Better news for uranium IA J073
Supply and demand: the industry view NW J085
SMDC takes 20% stake in Cluff Lake IA J090
Cotter Ferguson halt IA J090
Beisa ahead of schedule IA J091
Agnew Lake a write off? IA J091
Uranium in Tanzania IA J108
Lesotho launches uranium search IA J108
Aquitaine searches for Polaris IA J108
Utah uranium deal IA J108
Eldorado chooses site for U refinery IA J109
Australian government considers uranium divestment IA J109
Approval and delay for Crownpoint IA J109
Ranger deadline IA J126
Underground uranium in Utah IA J127
Uranium in Greenland IA J146
Canada's uranium reserves up IA J146
Approval for Plateau IA J146
Westinghouse at Crownpoint IA J146
Expansion of Vaal Reefs U plant P M091
Mountain States drills in Utah IA J168
Niger uranium discovery IA J190
Jabiluka progress IA J190
Westinghouse hearing delayed IA J191
Jockeying for position in Ranger stakes NW J205
Jabiluka stutters NW J205
The only option NW J207
Novel approach to slimes reclamation NW J209
Niger uranium find unconfirmed IA J217
Midwest Lake reserves down IA J243
Australian uranium: union opposition IA J244
Greenland: uranium plans premature? IA J244
Exxon Nuclear sued IA J245
First yellowcake recovered at Rio Algom's Panel mine NW J259
The last from Agnew Lake NW J259
Anglo in Ireland IA J267
Eldorado fears falling prices IA J268
Results from McClean Lake IA J298
Exploration recommendations in B.C. IA J298
Another Westinghouse settlement IA J299
Zambia: Agip starts uranium drilling IA J299
Extraction from phosphate rock NW J316
Freeport announces go-ahead IA J319
Peko Wallsend bids for Ranger project IA J320
Uranium technology license group IA J320
The continuing Westinghouse saga NW J338
Westinghouse - only five to

go? IA J341
Moab uranium helps Atlas boost output IA J342
China reports uranium discovery IA J363
Argentina to develop uranium deposits IA J363
Kelvin Energy programme IA J388
Key Lake revises forecast IA J388
Stockpiled uranium sales? IA J389
Further talks on Ranger project IA J389
Imouraren uranium behind schedule MW J406
Asamera finds more uranium IA J408
Uranium mill agreement IA J409
Ranger bidders named IA J410
U.S. uncertainty MW J422
Mary Kathleen reaches target IA J426
Uranium contracts for Korean Electric IA J426
Westinghouse settle with Florida Power and Light IA J426
Nuclear Dynamics uranium exploration IA J460
Canada to supply uranium oxide to Korea IA J461
Canadian uranium: Panel reactivated, Agnew Lake to close P M411
Placer Amex to develop Aurora U? IA J480
Uranium exploration in Philippines IA J501
Rich uranium deposits reported IA J501
Uranium find in Wyoming IA J526
Gayot Lake uranium discovery IA J526
Afrikander Lease opened IA J526

VANADIUM

Wundowie underway IA J091

ZINC

Recovery for lead but zinc slips S J075
Zinc producer price cuts S J094
Quiet days for zinc S J111
Funds for Thai Zinc offered IA J127
Gloomy outlook for zinc S J151
Esso at Golden Grove IA J169
Aberfoyle will develop Que River IA J169
Producer cut spurs zinc S J173
Preussag zinc cuts IA J191
Zinc uncertain S J193
Plomosas force majeure IA J223
Zinc stocks rise S J226
Zinc advances S J246
Zinc also follows suit S J270
European zinc production up IA J300
Zinc follows suit S J302
Penarroya plans production cutback IA J319
Lead and zinc slip S J366
Mixed fortunes for lead and zinc S J411
Zinc powder plant IA J426
Zinc smelter shutdown? IA J445
Lead/zinc in tune S J463
Zinc refinery contract for Dravo and SNC Group IA J481
Thailand sets deadline for refinery IA J481
Les Mines Gallen plan 1981 production IA J502
Rising cost of power to hit Japanese smelters IA J526
Zinc moves ahead S J529
Clarksville zinc plant P M551

Countries

ALGERIA

Hoggar uranium contractors IA J014
Tenders in Algeria IA J192
Kaolin study tender H M379

ANGOLA

More money for Benguela rail H M277

ARGENTINA

Argentine mineral exports IA J029
Argentinian zinc to U.S.S.R. IA J128
Argentina to develop uranium deposits IA J363
Argentina exports gold IA J364
Argentina to buy Canadian equipment IA J364
El Pachon development nearer H M382
Argentina: mineral exports up IA J389
New law to boost mining in Argentina MW J405
Boost for Argentinian mining H M612

AUSTRALIA

Mt. Newman commissions HMS plant MW J007
Pipes for Seltrust IA J011
Oil shale search IA J011
York, St. Joe and Phelps Dodge in N.S.W. IA J011
New company for Gladstone IA J012
Australian ports strike IA J014
Teutonic Bore goes ahead MW J023
Endeavour consortium intensifies tin drilling programme IA J027
Base metals in N.S.W. IA J027
Week long coal strike in Queensland IA J029
Go well, go shale MW J039
Computing calcretes in W.A. IA J044
Contract for Oaky Creek IA J045
$A100 gold coin plan IA J046
U.S./Australia nuclear agreement IA J046
Tribunal for Queensland colliers IA J046
Hyundai seeks role in Australian coal MW J067
Diamond quests at Tarcoola IA J070
Hunter Valley Al plans progressing IA J071
Mt. Isa modernisation IA J071
Appin disaster IA J073
W. Australian iron ore production boosted P M011
Woodlawn in production A M014
Torrington starts up H M054
CRA looks at Mitchell Plateau H M054
Australian coal sale H M054
Dampier joins KJV H M054
Nabarlek underway? H M054
Alcoa picks Portland H M054
Kaiser sale H M054
BP at Olympic Dam MW J085
New Australian rush MW J087
Ashton tests encouraging IA J090
Wundowie underway IA J091
Dominion sells tin mines IA J092
A.S. Australian acquisition IA J092
Australian ports strike IA J092
Another Gladstone Al smelter IA J108
Australian government considers uranium divestment IA J109
Long term contracts for Wambo IA J110
Hamersley strike ends IA J110
Australian ports strike IA J110
Ranger deadline IA J126
Further Al smelter developments MW J139
Mitsubishi at Ulan IA J147
Gold from Mt. Ida IA J148
Shipments from Dianne IA J148
Teutonic Bore go-ahead announced P M091
PNC finds U H M125
Jododex at Bathurst H M127
Gladstone consortium to be formed H M127
Queensland coal producers seek rail link MW J165
Esso at Golden Grove IA J169
Australian aid for Philippines uranium search IA J169
Aberfoyle will develop Que River IA J169
Comalco: agreement signed IA J169
More Japanese interest in Australian coal IA J171
Encouraging start to Ashburton gold search IA J190
Jabiluka progress IA J190
CGFA and AMC in W.A. mineral sands IA J191
Jockeying for position in Ranger stakes MW J205
Jabiluka stutters MW J205
Australia assists Philippines uranium IA J217
Haveluck a possibility IA J217
Alusuisse not discouraged IA J217
Australian/Brazilian marketing co-operation MW J239
Copeton hopeful IA J243
Australian uranium: union opposition IA J244
CSR at Mt. Pleasant IA J267
New coal loader at Hay Point IA J267
Ashton JV diamond sampling continues P M167
Sibeka returns H M277
Mitsubishi in Ulan H M277
Sumitomo in Lithgow Valley H M277
ACM at NASA H M277
Finance for Olympic dam H M277
Yeelirrie go-ahead H M277
Coalex contract finalised H M277
Mt. Isa concentrator refinements H M277
Partner for Houston H M279
Nickel at Mt. Keith IA J298
Delkor belt filters in Australia IA J300
Olympic Dam - a giant mine in prospect MW J313
More gold at Central Norseman IA J319
JV on NSW coking coal prospect IA J319
German Creek coal IA J319
Peko Wallsend bids for Ranger project IA J320
Further coal development in Bowen Basin MW J335
Ashton JV - diamonds at depth IA J341
Nymboida closure IA J341
Alumax increases size of proposed smelter IA J342
Crushing plant for Australian power station IA J342
More diamonds for Ashton IA J363
NSW tin exploration IA J363
Australian government joins Westinghouse case IA J365
Tasmanian base metal project to go ahead P M327
Dianne on time H M379
Jennings to sell H M379
Australian coal contracts H M379
BP/WMC agreement H M379
Sumitomo loan for Peko-Wallsend H M379
Japanese at Drayton? H M379
Hunter Valley plans H M379
Peko Wallsend gold find IA J388
New gold-copper zone IA J388
ACM in drill programme IA J388
Carr Boyd/Hill Minerals in JV IA J388
Tasmanian gold mine reopening IA J388
Australian mineral production up IA J388
Further talks on Ranger project IA J389
Mareeba upgrades copper reserves IA J408
Ashton names diamond province IA J408
North Kalgurli plans gold production IA J408
Alcoa contract for Weserhutte IA J409
Hay Point coal loader IA J410
Australian Govt. cuts coal levy IA J410
Ranger bidders named IA J410
Leaching to start at Gunpowder MW J420
Low-grade gold at Griffins Find IA J425
NSW coal survey programme IA J425
Alcoa expansion programme for Australia IA J425
Shell finance for German Creek IA J425
Mary Kathleen reaches target IA J426
MIM buys interest in Oaky Creek IA J426
Port Kembla one step nearer completion IA J426
Mt. Newman wage deal IA J427
Boosting steam coal exports to Japan MW J439
Australian Al smelter IA J443
Warandoo lease for Hancock IA J444
No early development of McArthur River MW J455
Australian geologists in Thailand IA J460
MIM expansion in N. Queensland IA J461
Coal hunt in Pilbara H M516
Roxby Downs go-ahead H M516
German Creek go ahead H M516
Australian/Japanese coal search H M516
Gladstone smelter approved H M516
Alumax smelter advanced H M516
Worsley aluminium project approved MW J475
Samantha report low-grade gold IA J479
Plans for new Pilbara iron ore mine IA J479
Australian coal equipment for Indonesia IA J481
W. Australia gold find IA J501
Further details from Marble Bar IA J501
Birds of a feather IA J501
Brown coal for WMC IA J501
Aberfoyle move into energy-related exploration IA J526
Morning Star mine may reopen IA J526
Australia to mint gold coins in 1980 IA J527
Ashton joint venture interim report IA J546
Christmas Island inquiry IA J546
Fraser Island sand mining debate IA J547
Port Pirie looks beyond Broken Hill IA J547
Terms agreed on Costain offer IA J547
Taiwan and NSW in coal deal IA J547
Government green light for Olympic Dam P M553
The Agnew nickel project A M556
Uranium estimate raised H M615
Kimberley diamond find H M615
Australian uranium for S. Korea H M615
BHP Fe for Thailand H M615
Gold at Gecko H M615
Australian coal for UBE H M615
Dianne report H M615

BAHRAIN

Alba borrowing N M059
Alba contracts Kaiser N M127
Australian alumina for Bahrain IA J443

BELGIUM

Language problems in Belgian mines D M147
Belgian aid plan for Zaire IA J299

BHUTAN

Tungsten find in Bhutan IA J526

BOLIVIA

World Bank credit for Bolivia IA J011
Lithium in Bolivia IA J027
Bolivian lithium IA J070
Aid for Bolivian mines H M123
Bolivian plant order H M281
A setback for Bolivia N J401
Coup hits Bolivian tin output MW J495

BRAZIL

20% stake in Valesul up for sale IA J027
Brazil: U.S. companies plan aluminium investment IA J044
Mokta talc and iron IA J044
Brazil's ambitious phosphate plans P M013
Finance for Amazon smelter H M054
Marion at Araxa IA J092
Brazil titanium find IA J146
Trombetas-shipment, OPEC prices boost HEP IA J148
The energy weakspot MW J167
Iron ore and alumina projects MW J183
Record exports for CVRD IA J191
Australian/Brazilian marketing co-operation MW J239
Into the aluminium big league MW J293
Mexico-Brazil joint venture? IA J364
Side-scan radar in Brazil A M354
Alcominas plans new smelter H M382
Potash development contract IA J389
Brazil metalworkers strike IA J391
Albras-Alunorte project at risk IA J425
Brazilian iron ore for Romania IA J503
Kiln at CMW H M612

BULGARIA

Bulgaria ups Jordan phosphate imports IA J128

Flash smelter for Bulgaria IA J321
Bulgaria buys Finnish H M381

BURMA

D-R for Burma IA J128

BURUNDI

Burundi potential MW J040
Burundi seeks finance H M055

CAMEROUN

Alucam expansion H M055
Cameroun aluminium IA J109
Cameroun: aluminium study H M277
Yaounde and Nairobi meetings H M515

CANADA

Snow Lake mill on stream MW J005
News from Bachelor Lake IA J011
Asbestos Corp. wins round one IA J013
Port Colborne contract IA J014
Manitoba uranium deal IA J027
Tantalite team IA J027
Canmore closure IA J028
Maple leaves in September IA J029
Gold to the fore MW J041
BP at Lost Creek IA J044
Negotiations in Canada IA J046
Pb-Zn at Cirque IA J070
Exploration spending in B.C. and Yukon IA J070
Blue Mountain boost IA J071
Yava going IA J072
Madeleine reopening H M054
Bell Copper life extended H M054
Lockerby advanced? H M054
Carolin awaits finance H M055
Falconbridge options Lesueur H M055
Teledyne interest in Professor IA J090
SMDC takes 20% stake in Cluff Lake IA J090
Court rules against Asbestos Corp. IA J090
Underground at Trout Lake IA J108
Approval for Alsands IA J108
Brinco options Labrador concession IA J108
Eldorado chooses site for U refinery IA J109
Quebec Asbestos Institute IA J109
Madeleine produces again IA J109
Alcan smelter talks stalled IA J110
Saskatchewan: towards a payments contract - and expansion? MW J121
Major Canadian copper deposit IA J126
Billiton and Brunswick Tin at Mt. Pleasant IA J126
Oil sands approved IA J127
Acid test MW J141
Canada's uranium reserves up IA J146
Detour agreement IA J146
Eqn'ty reprieve IA J149
New lead-zinc concentrator at Snow Lake, Canada P M094
U find in B.C. H M123
Bechtel studies Highland Valley H M123
Kitts-Michelin plans revised H M123
Quintette sale agreed H M123
Canadian gold coin H M125
Walk-outs at Horne IA J171
Maple Leaf on sale from September 6 IA J171
Alcan: Quebec strike settlement IA J192
Canadian copper-moly discovery IA J217
One potline down for Alcoa IA J221
Brenda workers seek parity with Cominco IA J223
Sydney will lay off 800 in Nova Scotia IA J223
Gold producers surge ahead MF J227
Midwest Lake reserves down IA J243
Alberta Energy sells interest in Syncrude IA J243
Detour go-ahead IA J244
New contract IA J245
Horne settlement IA J245
Brenda Mines strike IA J245
Production to resume at Chibex? IA J267
Carolin Mines development IA J268
INC potash plans IA J268
General Dynamics holds out IA J268
Eldorado fears falling prices IA J268
Babcock-Stearns Roger agreement IA J269
Edison backs Brinex venture H M281
Joint venture's B.C. find H M281
Madeleine reopens H M281
Results from McClean Lake IA J298
Moly at Red Mountain IA J298
Exploration recommendations in B.C. IA J298
Dominion gold prospect in Quebec IA J300
Asbestos Corp. saga continues IA J319
Brenda Mines tentative agreement IA J321
Endako miners continue strike IA J321
Loan for Highmont mining project IA J341
Brascan increases interest in Noranda IA J341
Line Creek coal development IA J341
Brinco/Conuco merger approved IA J341
Nova Scotia energy substitution IA J342
Start-up at Gays River project IA J342
Brenda Mine workers return IA J343
Argentina to buy Canadian equipment IA J364
Potash agreement imminent IA J365
Hydraulic mining for Rocky Mountain coal A M330
Canadian uranium H M383
Billiton at Mt. Pleasant H M383
New Midwest Lake estimate H M383
Major expansion planned for Lornex MW J377
Kelvin Energy programme IA J388
Alcan to upgrade Vaudreuil IA J388
Key Lake revises forecast IA J388
Stockpiled uranium sales? IA J389
10-year lease for northern Manitoba mine IA J389
Major programme at antimony mine IA J408
Asamera finds more uranium IA J408
Exploration at Cassiar IA J408
Encouraging results for Talisman and Card Lake IA J408
Tantalum Mining expansion IA J409
Goldmark season over IA J409
New contract for Endako workers IA J410
Government undertaking on Asbestos Corp. assets IA J410
Cominco to develop Polaris MW J420
Atlina exploration IA J425
Cobalt from Sudbury slag IA J425
Alcan workers reject contract IA J427
Asbestos plans investment despite nationalisation IA J443
Noranda coal expansion IA J444
Shawinigan stoppage IA J445
New contract at Craigmont IA J445
Arsenic and Moira Lake IA J445
Emission from mines damages plants IA J445
Northgate to explore Orofino property IA J460
Drilling programme at Rowan Lake IA J460
Silver found in Nova Scotia IA J460
Dcva drill programme IA J460
Porcupine to drill at Paymaster? IA J460
Production plan for Muir Island IA J461
Canada to supply uranium oxide to Korea IA J461
Judge's ruling on Baker Lake IA J462
Quebec calls for expropriation talks with Asbestos Corp. IA J462
Canadian uranium: Panel reactivated, Agnew Lake to close P M411
New partnership proposes small underground mine at Detour, Quebec P M415
Loan for Highmont H M516
Pinson development continues H M516
Noranda buys Heath Steele H M517
Preliminary work at Specogna IA J479
Mineralisation from Nusoar IA J479
Teck Corp. drilling at Golden Briar IA J479
Exploration continues at Millstream IA J479
No useful coal IA J479
All but gold show increase IA J480
More news of Asbestos Corp. IA J481
Tax reminder IA J481
Shawinigan illegal strike over IA J482
High grade silver at Smallwood Lake IA J501
Diamond drilling at Rousseau IA J501
Chevron finds potash IA J501
Final phase for La Baie smelter IA J501
Plans for Ridley Island coal terminal IA J502
Kiena seeks finance IA J502
Les Mines Gallen plan 1981 production IA J502
Gavot Lake uranium discovery IA J526
Quebec Court blocks expropriation IA J527
Alcan to study BC Hydro project IA J546
Development of NWT Pb-Zn mine P M555
Manitoba mine lease H M613
Al plant upgraded H M615
New Mg process? H M615
Bernic Lake expansion H M615

CHILE

Codelco sells IA J014
New moly plant at El Salvador IA J028
Chilean coal IA J070
Chilean copper miners not impressed IA J073
Disputada restart H M054
Coal find in Chile H M084
Chilean wage rises IA J092
Disputada restarts this month IA J109
Chile: new labour law discriminates IA J110
Chile surveys boundaries IA J126
Andocollo will go IA J127
Major projects report MW J139
Credit for Andocollo? IA J146
Chile: labour laws relaxed H M123
Materials handling at Chuquicamata D M148
Chile investment request IA J219
Another Chile boycott IA J245
Go-ahead for Andacollo H M281
Chilean survey H M281
Anaconda completes Los Pelambres purchase IA J299
Japan/Chile agreement IA J300
Chile's copper output falls IA J300
Natural resource inventory IA J343
Chilean moly output IA J364
Copper oxide project in Chile D M395
Los Pelambres survey IA J443
Copper mines reject offer IA J444
Chilean registry IA J462
Geotechnical considerations in the future of metal mining in Chile D M536
Bank loan for Chilean copper co. IA J503
Fall in exports anticipated IA J503
Roasting plant contract IA J527
Chilean developments H M612

CHINA

Oriental Occidental? MW J005
Recent achievements, future ventures MW J025
Major Swedish mining equipment order for China completed M J042
Philippine-Chinese Cu deal IA J045
Multiphase coal progress MW J066
Kweiyang smelter approved H M059
New Chinese coal mine H M059
Chinese coal for Scotland IA J092
Japan studies Chinese copper mines IA J147
More from Tiefa H M127
Commemorative gold coins from China IA J191
Coal liquefaction: China-Japan proposal IA J219
Kaiser Engineers designs iron ore mines for China P M167
More Chinese coal H M279
Chinese consider Cu expansions H M279
More copper for China H M279
China plans aluminium refinery IA J363
China reports uranium discovery IA J363
Coal experts visit China IA J388
Al plant for China IA J409
China interlude N J417
Chinese coal mine starts production IA J436
Japanese aid for Chinese copper IA J460
Work starts on Chinese gold mine IA J501
Rich uranium deposits are reported IA J501
Iron mining project is deferred IA J501
Road to Caka Lake IA J502
China plans London office IA J503
China Al developments H M613
Chinese uranium find H M613

COLOMBIA

Colombian copper talks IA J072
W. Germany aids Colombian coal IA J147
Colombian copper reserves IA J243
Amoco: Colombian interest? H M281
Cerro Matoso purchases H M281
Colombian emerald exports IA J300
Colombian Cu plans H M382
Finance for Cerro Matoso H M612

COSTA RICA

Costa Rica restart IA J091
C.R. bauxite plan studied H M281
Costa Rican pilot plant IA J501

CYPRUS

Cyprus Mining exports fall IA J245

CZECHOSLOVAKIA

Czech uranium mill starts IA J072
New Czech lignite mine IA J191
Work starts at Hodonin H M281
Czech prospecting in Zambia? IA J479

DENMARK

Uranium in Greenland IA J146
Greenland: uranium plans premature IA J244
Kvanefjeld mining "premature" H M381

DOMINICAN REPUBLIC

Exploration in Dominican Republic IA J146
Dominican Republic purchases balance of Pueblo Viejo MW J357
El Yujo exploration H M382
Dominican Republic becomes sole owner of gold mine P M555

DUBAI

Dubai smelter starts production IA J426

ECUADOR

CEEA control exploration IA J503

EGYPT

U.K. reviews planned aid to Egypt IA J109
Helwan: a major industrial site in Egypt A M185

EIRE

Negotiations in Eire IA J046
Anglo United reports H M125
Anglo in Ireland IA J287
Bula submits County Meath plan IA J461
Aughinish contract IA J461
Dublin strike stops Tara exports IA J462
Update on Irish mining and explorations P M413

FINLAND

Finland to mine apatite P M409

FRANCE

French supply strategy IA J013
Cogema plans surplus uranium IA J045
New Caledonia boost IA J071
Opencast coal in Burgundy A M041
French ore stockpiles progresses H M125
France's BRGM - its structure and activities A M219
Alusuisse wins concession H M279
Another contract for Francomet H M279
Pechiney to up output in France H M381
Rubber-tyred units in French mines D M395
France to explore Dominican copper and manganese IA J425
French nodule discoveries H M513
Geological mapping from space H M513
New funding for a bigger stockpile MW J522
French anodes for U.A.E. H M615

GERMANY (EAST)

GDR-Guyana deal IA J013

GERMANY (WEST)

W. Germany aids Colombian coal IA J147
Preussag zinc cuts IA J191
A W.German view of manganese nodule mining D M307
Rhine miners demand 8% wage increase IA J299
West Germany still ahead MW J315
German finance for Spanish mining project IA J410
Copper plant modernisation IA J443
Mining in Federal Republic of Germany A M416
Rammelsberg Mine A M420
Meggen mine A M436
Haverlahwiese mine A M436
Rock salt and potash mining A M437
The Hambach project A M440
Ruhrkohle AG A M446
Hanna Mine A M449
Major manufacturers of mining equipment A M482
W. Germany wants more U.S.S.R. titanium IA J480
IBH acquires Hanomag IA J481

GHANA

Gold miners ordered back to work IA J343
Ghanaian miners end strike IA J365
Ghanaian mining industries to be rehabilitated by government IA J482
Interest in Ghana? H M612

GREECE

Greek lignite developments IA J012

Greek copper committee formed H M057
IGME handles Serifos search H M125
Bodossakis plan studied H M125
Zidani development H M125
Plans to increase steel output MW J240
Ferrochrome plant for Greece IA J269

GUATEMALA

Guatemalan labour dispute IA J445
Agreement brings end to Guatemalan dispute IA J462

GUYANA

GDR-Guyana deal IA J013
Setback at East Montgomery H M054
Guymines strike IA J092
Guymines strike continues IA J128
D.D.R. equipment for Guyana H M123
Guymine strike ends IA J171
Guyana strike costs IA J269
Guyana to sell bauxite for U.S. stockpile? IA J321

HAITI

Haiti plans to exploit lignite IA J546

HONG KONG

Krugerrands in Hong Kong IA J321
Hong Kong government to issue gold coins IA J547

HUNGARY

Hungary in South Manchester IA J027
Hungarian bauxite problems H M125
Hungarian mine disaster IA J527
Mecsek coal find H M615

INDIA

Bababudangiri revealed IA J070
Iron ore for coal IA J073
Malanjkhand delay H M059
Indian lead and zinc, 1978 IA J091
Indian non-ferrous production up IA J127
Kudremukh fix IA J149
India: duties on Al imports waived IA J149
Coal shortages in India H M127
Khetri shut down IA J191
Copper in Southern India IA J217
Kudremukh let down IA J217
Indian barytes exports increase IA J223
Copper in Bhutan IA J267
Pb-Zn in West Bengal IA J298
Indian Al cutbacks IA J299
Indian multi-metal pilot plant IA J299
India-Japan iron ore sales IA J300
Alumina facility for Orissa? IA J320
India rejects aluminium buffer stocks suggestion IA J320
India exports chromite, manganese IA J343
Air separator for India IA J343
Indian diamonds IA J363
More Cu in Karnataka H M381
Progress in Udaipur H M381
Indian-Iran discord on iron ore H M381
Indian coal production up IA J389
Indian copper smelter producing again IA J409
Less silver to leave India IA J409
FIMI seeks export increase IA J444
Pilot plant on stream H M513
Mangalore pellet plant? H M513
Pechiney reports H M513
Bentonite in Rajasthan IA J479
India plans Al imports IA J481
Indian mica for U.S.S.R. IA J503
GSI coal and diamond finds H M613

INDONESIA

New dredge for Indonesia H M059
Endeavor in Sulawesi IA J190
Indonesia: mining sector expansion IA J219
Will Gag go? IA J268
Problems at Soroako H M279
Indonesian copper exploration IA J319
Utah withdraws from Sulawesi option IA J319
Indonesian development programme IA J320
Utah at Sulawesi H M381
Indonesia: more money for mining H M381
Utah out of Sulawesi H M513
Indonesian sponge for India H M515
Sulawesi drilling programme IA J479
Australian coal equipment for Indonesia IA J481
3rd furnace for Soroako H M613

IRAN

Kudremukh fix IA J149
Coal shortages in Iran H M127
NICIC drops Anaconda H M127
Isfahan underproducing; expansion plans IA J191
Bandar Abbas steel ruled out H M279
Iran retrenches steel plans IA J299
Copper talks in Iran IA J426

IRAQ

Jamaica-Iraq talks IA J364
Jamaican alumina for Iraq IA J444

ISRAEL

British coal for Israel IA J269

ITALY

Monte Amiata may restart IA J045
Coal on the Cape Horn route IA J171
Italian lead smelter IA J502
Davy mill for Italy H M615

JAMAICA

Hungary in South Manchester IA J027
Norway in Jamaican bauxite IA J147
Jamaican bauxite share slipping H M123
Jamaica bauxite, aluminium plans IA J267
Compensation for Jamaica IA J300
Latest moves in Jamaican export levy dispute MW J337
Jamaica bauxite production up IA J342
Jamaica-Iraq talks IA J364
Jamaica's new bauxite levy formula IA J365
New alumina export contracts MW J377
Jamaican rail strike solution IA J389
New bauxite-alumina enterprise IA J410
More tribute for Jamaican railways IA J427
Jamaican alumina for Iraq IA J444
Norwegians in Jamaican refinery? H M517
Bauxite marketing talks H M517
New markets for Jamaican Al H M612

JAPAN

Fuel cuts may slow Japan's Al production IA J013
Japanese steam coal deal IA J072
Japanese Al stockpile release imminent IA J073
Kosaka extension? H M059
Tokyo metal exchange H M059
Pilbara pressure on Japanese stockpiles IA J093
Japanese coal consortium IA J110
Japan releases aluminium IA J110
Blair Athol coal deal MW J122
Japan buys S.A. coal IA J128
Japan studies Chinese copper mines IA J147
U: Japanese buy ahead H M127
More Japanese interest in Australian coal IA J171
Need for a comprehensive coal policy MW J183
Miller coal to Japan IA J192
Japan July copper IA J221
Cheaper ore for Japan MW J237
Japanese loan to Zambia IA J243
Zenno and MCI to join Estech? IA J244
Japanese finance for Yakutian coal IA J344
Nittetsu looks for copper H M279
Fluor/Furukawa tie up H M379
Japanese finance for Philippines Cu IA J299
India-Japan iron ore sales IA J300
Japan/Chile agreement IA J300
Dowa starts up at Ezuri IA J319
Japanese loan for Queensland Mines IA J320
Japanese coal order for USSR IA J342
Japan examines Asian copper IA J363
Japan: Siberian involvement H M381
Japan: more coal needed H M381
Japan to survey seabed IA J388
Mitsui Aluminium to cutback IA J409
Japan copper sale to U.S. IA J426
New ship for Japanese exploration IA J460
Japanese aid for Chinese copper IA J460
Ezuri underway H M513
Japanese study sliding tariff IA J480
Non-ferrous imports to fall MW J497
Japanese coal import consortium IA J503
Rising cost of power to hit Japanese smelters IA J526
Copper production increases IA J526
Japanese refiners to supply Asahan IA J527

JORDAN

Equipment for Jordan phosphate mines W J124
Jordan survey IA J126
Bulgaria ups Jordan phosphate imports IA J128
U.S. mineral survey of Jordan IA J363
Potash recovery in Jordan IA J409
Jordanian surveys H M513
Jordan studies oil from shale H M513
Jordan: magnetic survey H M613

KENYA

Rare earths in Kenya IA J012
Kenyan reo development H M127
Kenya and UN in Project agreement IA J526

KOREA

Hyundai seeks role in Australian coal MW J067
N. Korea seeks Thai tin and tungsten IA J389
Korean mine disaster IA J391
Uranium contracts for Korean Electric IA J426

LESOTHO

Lesotho launches uranium search IA J108

LIBERIA

Kawasaki seeks partners for Liberian Fe IA J071
Lamco prepares for the next decade A M192
Experience with Jones' separator A M199

LIBYA

Misurata bid by Mitsubishi H M515

MADAGASCAR

Loan for Madagascar chrome ore plant IA J028
Finance for chrome tests H M127

MALAYSIA

Thailand and Malaysia: offshore tin IA J011
MMC prospecting agreement IA J027
Pahang probe IA J044
Selangor to follow MMC H M059
Producer league changes MW J240
MMC plans own smelter IA J342
Fall in Malaysian tin output IA J409
Budget boost for tin miners MW J457
Tin round-up MF J466
New mining code for Malaysia IA J482
Floods hit mine output IA J482
Sn duty revised H M613

MAURITANIA

Guelbs loan sanctioned IA J071
Saharan crunch IA J091
Guelbs financing details IA J170
Mauritania to exloit iron ore IA J460

MEXICO

La Caridad ceremonially opened P M009
Pleasing results for Roman Corp. IA J090
Mixed oil blessings MW J143
Monterrey strike averted IA J149
Plomosas force majeure IA J223
Natural gas to the U.S. MW J264
Loans for La Caridad IA J299
Stage two of Sicartsa imminent IA J320
Mexico-Brazil joint venture? IA J364
Allocation agreement on La Caridad concentrates IA J426
Loan for La Caridad H M517
Roman Corp. Mexican development IA J502
La Caridad copper arrives in Europe IA J502
La Caridad Cu agreement H M612

MONGOLIA

Expanding mineral inventory MW J006

MOROCCO

More Moroccan cobalt IA J072
E.E.C. finance for Morocco H M055
Khouribga phosphate mines, Morocco D M149
Crusher from Krupp H M277

NAMIBIA

Diamond quests at Aukum IA J070
Leichardt looks for diamonds H M379

NETHERLANDS

Rotterdam port strike goes on IA J192
Rotterdam strike IA J223
Strike enters fourth week IA J245
Polish coal to Netherlands IA J268
Rotterdam dock strike over IA J269
End of Rotterdam tugboat strike IA J343

NEW ZEALAND

A nickel smelter for New Zealand? IA J190
Ni smelter for Bluff? H M379
150-RH sold in New Zealand IA J527

NICARAGUA

Nicaragua nationalises Neptune and others IA J410
Mining industry nationalised MW J421

NIGER

Imouraren study H M055
Niger uranium discovery IA J190
Niger uranium fin unconfirmed IA J217
Imouraren uranium behind schedule MW J406

NIGERIA

Nigerian tin and columbite IA J300
Tin round-up MF J466

NORWAY

Norway in Jamaican bauxite IA J147
Underground limestone mining at Dalen A M172

OMAN

Oman copper goes ahead MW J103
Oman copper project underway P M169
Oman gypsum deposit IA J460

PACIFIC ISLANDS

Christmas cavil? MW J007
New Caledonia boost IA J071
Ok Tedi study extended H M054
Thinking big at Ok Tedi MW J143
Copper prospect in Fiji IA J243
Namosi reserve estimate H M516

PAKISTAN

Saindak progress IA J298

PANAMA

Petaquilla progress IA J027
Codemin's interest in Cerro Colorado to be reduced? IA J268
Cerro Colorado cost rises H M281
Cerro Colorado IA J298
Panama dockers return IA J343
Codemin cuts back H M517

PERU

Peruvian protest? IA J047
Finance for Peru MW J066
Peru ups iron ore sales IA J072
Hydraulic filling at small mines in Peru D M077
Two plans for Tintaya IA J127
Antamina investments IA J127
Ilo state of emergency IA J128
No promise in Peru H M123
Peruvian copper deposit IA J169
BRGM at Tintaya MW J187
Ilo emergency continues IA J225
Centromin refinery strike IA J245
Peruvian strike postponed IA J269
Peru: more gold? H M382
Peru iron sales hopes IA J426
Peruvian pilot plant IA J461
Hierroperu H M517
No Christmas cheer MW J473
PNG government receives study IA J481
Bougainville strike ends IA J482
Cerro Verde contract IA J503

PHILIPPINES

Philippines iron project IA J012
Philippines copper IA J013
Marinduque overhaul IA J028
Marinduque expansion IA J045
Philippine-Chinese Cu deal IA J045
Philippines may re-open gold mines IA J146
PASAR bids close IA J149

More work at Bassay H M127
Australian aid for Philippines uranium search IA J168
Australia assists Philippines uranium IA J217
Loan for Masbate gold project IA J268
Atlas buys M-4 drills IA J269
More Philippine copper H M279
Japanese finance for Philippines Cu IA J299
Masbate opening ahead of schedule IA J319
Joint aluminium venture for Philippines IA J341
Philippines considers copper smelter tender IA J409
Masbate reopens H M513
Marubeni contract confirmed IA J450
Uranium exploration in Philippines IA J501
Talks on Al smelter for Philippines IA J502
Siana gold project IA J526
Benguet takes over Atok's gold mine IA J527

POLAND

Sieroszowice shaft sinking IA J071
Iron ore for coal IA J073
XIII International Mineral Processing Congress A M118
Polish coal to Netherlands IA J268
Polish copper fails to reach target IA J364
Polish mine disaster IA J444
Poland's research towards underground gasification of hard coals D M535
Polish coal for Austria IA J481
New separating device designed in Poland IA J548
Equipment output up H M615

PORTUGAL

Success at Neves H M057
Charter-CJB contract in Portugal IA J128
Panasqueira develops for the future A M096
Charter at Alentejo H M615

ROMANIA

New Romanian coalfield IA J045
New energy strategy MW J187
Importance of lignite in Romania P M323
Major protocol with U.S. company MW J523
Romania's Mining Minister ousted IA J527

SAUDI ARABIA

Contract for Argas H M279
Saudi report H M513
Saudi atomic advance H M613

SIERRA LEONE

Sierra Leone start up H M055

SOUTH AFRICA

New lease of life for S. Roodepoort MW J006
Shaft sunk at Saaiplaas IA J012
Black Mountain on schedule IA J028
S.A. gold half-year IA J045
S.A. cobalt boost H M055
Beisa ahead of schedule IA J091
S.A. set coin counterattack IA J092
Shaft Sinkers at Finsch IA J092
Krugerrands: July record IA J110
Japan buys S.A. coal IA J128
Weserhutte wins S.A. contract IA J128
Oil for the future MW J141
S.A. gold production: July IA J149
Expansion of Vaal Reefs U plant P M091
Shaft Sinkers at F.S. Saaiplaas H M127
Middelplaats makes second shipment H M127
Distance no object! H M127
Palabora to extend life of open pit MW J163
Fuel costs rise MW J163
S.A. chrome to Japan IA J171
Middelplaats official opening MW J183
Novel approach to slimes reclamation MW J209
August Krugerrand sales down IA J221
Another milestone for W. Driefontein MW J261
Japan buys S.A. coal H M277
Beisa sells ahead H M277
Unisel: official opening MW J291
ET Cons to spend R2 million IA J299
Amcoal to supply Escom IA J300
Progress at Afrikander Lease MW J313
Shaft sinking at Western Areas IA J319
South African gold production down IA J342
Big demand for Sasol shares MW J357
Gold and chrome prospects IA J363
Deelkraal precipitates first gold IA J363
Natal coal expansion IA J363
Rooiberg tin smelter start-up IA J364
Replacement refinery for Rustenburg IA J364
Official opening of Unisel gold mine P M323
Middelplaats manganese P M325
Sasol/Fluor join forces H M379
Mishap at Lorraine IA J389
Mining unions seek interim pay rise MW J405
Scheelite project IA J443
Fall in gold production IA J443
Fall in Krugerrand sales IA J444
Deelkraal ready to start trial milling P M409
New S.A. refinery H M515
Palabora extension H M515
Amcoal's contract with Escom MW J473
New Free State gold mine? IA J479
New system to boost mine output IA J480
Village Main to continue gold production MW J497
Computer-based mine management system M J500
Free State projects make progress MW J521
Afrikander Lease opened IA J526
Krugerrand sales rise sharply IA J527
Production starts at Broken Hill MW J542
Increasing interest in oil from coal P M551
Hlobane expansion H M612
New S.A. steel marketing co. H M612
Rooiberg smelter on stream H M612
S.A. Au forecast revised H M613

SPAIN

RTM financing nearly complete IA J044
Almaden struck IA J045
Aznalcollar inaugurated H M057
Uranium search by Chevron H M057
Uranium search by Exxon H M057
Go-ahead for Spanish nuclear plants IA J191
Rapid development and start-up of Puertollano mine, Spain D M307
German finance for Spanish mining project IA J410
Zinc powder plant IA J426
Spain's mining plan 1979-87 N J435
Almaden Mines and its research programme A M586

SRI LANKA

Sri Lanka ilmenite expansion IA J191
Diamonds for Sri Lanka IA J364
Gem prospecting in Sri Lanka IA J546

SUDAN

Sudanese gold studies H M379
More concessions for Winex H M515

SURINAM

Surinam Govt. takes more H M382

SWEDEN

Major Swedish mining equipment order for China completed M J042
More iron ore/pellets from LKAB H M057
Falun in jeopardy IA J091
More aid for Benguela IA J109
Sweden: coal mining and trading co. IA J128
Sweden's LKAB optimistic about future for pellets P M093
More from Aitik H M125
Stockholm success MW J207
Rockstore 80, Stockholm M M293
Sweden to buy Ugandan pyrites IA J299
First International Tungsten Symposium A M365
Roasting plant for Sweden IA J444
New ore stockyard equipment at Narvik A M576
Aitik capacity increase H M615

SYRIA

Syria mines marble IA J046
Syria seeks drills IA J046
Tenders in Syria IA J192

TAIWAN

Dravo at Kaohsuing H M127
Taiwan increase refining capacity IA J389
Taiwan and NSW in coal deal IA J547

TANZANIA

Tanzanian gemstones IA J014
Uranium in Tanzania IA J108
Uranium search widens H M277
Tanzanian copper and nickel IA J363
Tanzanian niobium prospecting IA J363

THAILAND

Thailand and Malaysia: offshore tin IA J011
Hunting in Thailand H M057
Funds for Thai Zinc offered IA J127
Thai contract for Lurgi H M127
Thailand seeks to limit illegal operators MW J239
Further coal development in Thailand MW J335
Thai tin exports up IA J343
N. Korea seeks Thai tin and tungsten IA J389
Thai tin for Turkey? IA J444
Australian geologists in Thailand IA J460
Thailand sets deadline for refinery IA J481
Gold import tender for Thailand IA J503
VIP plan offshore tin venture IA J546

TIBET

Tibetan copper discovery IA J460

TRINIDAD & TOBAGO

Iscott D-R contract IA J245
Aluminium smelter for Trinidad and Tobago IA J409
Second Midrex for Iscott H M517
Aid for T & T smelter H M612

TUNISIA

U from Tunisian phosphate IA J072

TURKEY

Turkey: no easy road N J201
International Mining Exhibition, Istanbul N J212
Istanbul - highlights and conclusions N J265
World Bank loan for Turkey IA J409
Thai tin for Turkey? IA J444
Aid for Turkey H M513

UGANDA

Investment would boost Ugandan Cu, Co earnings IA J090
Kilembe investigated H M127
Sweden to buy Ugandan pyrites IA J299
Ugandan gold ban IA J320
Uganda cobalt and sulphur development IA J479

U.K.

Bull's eye at Ball Eye IA J011
U.K. government affirms coal policy IA J013
Export award for BSCL IA J014
Barytes in Scotland IA J027
Enterprise Board calls for U.K. titanium plant IA J044
U.K. Commodity Centre plan in peril N J061
ABMEC - the first year MW J066
Togston contract IA J073
Developments in S.W. England P M009
New lease of life for Wheal Jane MW J083
Chinese coal for Scotland IA J092
No easy road for U.K. coal N J101
Thumbs down for Whitby Potash MW J105
U.K. reviews planned aid to Egypt IA J109
Government aid for mineral exploration MW J122
More for Geevor IA J127
£20 million contract for Strathclyde coal mine IA J128
Selby communications contract for Plessey IA J128
Ball Eye find H M125
Steels with sound-deadening properties M M133
Go-ahead for NEB titanium project IA J169
Deep Duffryn will close IA J192
British coal for Israel IA J269
NCB's "Plan for Coal" makes progress P M163
RTZ plans to reopen Wheal Jane P M169
Dresser in Scotland H M279
CGF thumbs down for Whitby Potash H M279
NCB awards contracts N M279
U.K. benefits from ECSC loans H M281
IMM/AIME meeting M M293
Offshore International - 1980 M M295
Increase in coal mining fatalities MW J295
Major coal deal MW J316
Lindustries to run down Cowlishaw Walker IA J320
Tilcon invest at Marsden Quarry IA J342
Technically advanced precious metal refinery opened MW J359
Teesside titanium plant IA J363
New mine filming regulations IA J365
Hemerdon - Britain's largest tungsten deposit A M342
Finance for U.K. Ti H M381
Exchange control regulations lifted MW J378
Coal experts visit Peking IA J388
BSC-NCB dispute IA J389
NCB contract for GEC IA J389
Opencast contract for SGB group IA J409
Government key to Hunterston settlement? IA J410
Howell on coal MW J421
Cumbrian coal gets go-ahead IA J426
First shipment unloaded at Hunterston IA J427
Clydach strike talks IA J427
U.K. national symposium on availability of strategic minerals MW J437
South Wales strike call IA J445
Amax to explore Cligga Head? IA J460
Lochaber smelter modernisation IA J462
Tin round-up MP J466
British coal for Israel H M513
Expansion at Lochaber H M513
Move towards gold bullion sales IA J481
Dockers turn away coal IA J482
More investment needed MW J495
China plans London office IA J503
NEB choose Shotton for titanium plant IA J503
Minister agrees to opencast mining at Edmondsley IA J503
Talks on Clydach nickel refinery adjourned IA J503
Two miners killed in Yorks. pit disaster IA J503
Coal ship docks following BSC promise IA J503
First stage of Belvoir inquiry adjourns MW J543
New U.K. precious metals refinery A M570

U.S.A.

U.S. coal research consortium IA J012
NRD set to buy Kennametal mine, restart Fallon IA J028
Asarco to close smelter IA J028
High U.S. chromium use IA J028
Atlas Copco purchases Jarva IA J029
Carter into battle N J037
Supply analysis system for DOE MW J041
Nevada gold project has Canadian backing IA J044
Cranston progress IA J045
U.S./Australia nuclear agreement IA J046
Coal-fired MHD power project IA J047
Rio Algom-Tennessee Valley watershed MW J065
Trial shaft for Pinos Altos IA J070
Colorado: coal, wheat or building? IA J070
Gallup hole IA J072
Arco divestiture IA J073
J-M at Stillwater H M054
Redesign for Palestine H M054
Continuous casting at Bayway H M055
Leaching at Ruby Gulch H M055
More silver H M055
Court rules in favour of Homestake IA J090
U.S. Seabed Mining Bill IA J090
Cotter Ferguson halt IA J090
Carr Fork: early start up IA J091
American metal, American problems MW J105
Aquitaine searches for Polaris IA J108
Financing for Pinson IA J108
Utah uranium deal IA J108
Restructuring the USBM IA J109
Approval and delay for Crownpoint IA J109
Ozark plans expansion IA J109
Westinghouse pays in leases and claims IA J110
U.S. - pause for reflection N J119
Frank R. Milliken - a mine and a message MW J121
U.S. bogey MW J123
Bell Mountain: production decision IA J126
Aurora approval sought IA J126
Underground uranium in Utah IA J127
Tenneco buys into Colorado oil shale project IA J127
Nevada borate project nears production IA J128
Minnesota iron ore reserves IA J146
Approval for Plateau IA J146
Westinghouse at Crownpoint IA J146
IMC expansion IA J146
Colorado and Utah Oil shale projects IA J147
Pohang Steel in U.S. coal venture IA J148

NP Mining underway H M123
Bunker Hill/EPA settle H M123
Creeping recession N J161
Mountain States drills in Utah IA J168
Goldendale ups Al capacity IA J170
Hecla plans new shaft IA J170
Taracorp acquires lead plants IA J170
New U.S. mine safety standards IA J171
Increasing U.S. coal production IA J172
Carr Fork will produce in September IA J190
NRD completes scheelite mine purchase IA J190
Noranda exercises Utah option IA J190
Tripartite coal liquefaction IA J190
Coal gasification in the U.S. IA J190
Kaiser builds pre-bake cells IA J191
McGill re-opens IA J191
Westinghouse hearing delayed IA J191
More from Black Thunder IA J192
Strike at Port Nickel IA J192
U.S. mineral policy review: another step? N J203
Cities Service copper projects IA J219
Sasol-Fluor marketing agreement IA J221
Cities Service to reactivate Miami East MW J237
Texasgulf: expansion at Lee Creek IA J244
Zenno and MCI to join Estech? IA J244
EPRI boosts funds IA J244
Silver/tin disposal bill approved IA J245
Natural gas to the U.S. MW J264
Bunker Hill silver expansion IA J267
Anschutz tungsten expansion IA J268
Silver disposal plans thwarted IA J268
Seabed mining tax IA J268
Frank R. Milliken - the new name for Ozark Lead Mine.... P M165
Carr Fork tunes up H M281
Kaiser tries new technology H M281
Better at Point Comfort H M281
More from Sweetwater H M281
Arco agrees copper sale H M281
Sunshine acquires Trade H M281
Noranda acquires Heath Steele Mines IA J299
Lead production down IA J300
Freeport announces go-ahead IA J319
Court upholds Silver Syndicate's 50% ownership IA J319
Asarco objects IA J320
Sulphur project at Terrebonne Bay IA J320
Phosphate rock JV IA J320
Samancor buy ferroalloy plant IA J321
Kaiser closures IA J321
Extension of Orogrande main zone IA J341
Work suspended at Oracle Ridge IA J341
Change in gold sale procedure IA J341
Brush Wellman expansion IA J342
New coal mine opens in Wyoming IA J342
Moab uranium helps Atlas boost output IA J342
Court orders UMW to pay damages IA J343
Big demand for Sasol technology MW J357
Rise in U.S. gold production IA J364
U.S. stockpile sales IA J364
St. Joe/Yuba agreement IA J364
Phosphate venture H M383
IMC expansion plans H M383
More from Goldendale H M383
Smelter power cut H M383
Sinbad search H M383
Mining at Ticaboo H M383
Coal gasification in Wyoming? IA J388
Black Thunder expansion IA J388
Kennedy Bill for uranium miners IA J391
Environmental improvement IA J391
Mineral exploration satellite IA J408
Uranium mill agreement IA J409
U.S. uncertainty MW J422
Low mineral potential in Wambaw swamp IA J425
Westinghouse settle with Florida Power and Light IA J426
Utah lease for Asarco IA J426
Lucky Friday development IA J443
New sulphur mine IA J443
Cripple Creek-Crown Central contract IA J444
Indians to develop Montana coal IA J461
St. Joe to close smelter IA J461
New Headquarters for AIME IA J462
Bunker Hill goes deeper H M516
Brush Wellman expansion H M516
Freeport/Agrico U recovery project H M516
Asarco protests H M516
Ford: Al requirement forecast H M517
NKK: ore carrier order H M517
Assay results from Baretta, Oregon IA J479
New coal mine for Texas IA J479
Placer Amex to develop Aurora U? IA J480
Zinc refinery contract for Dravo and SNC Group IA J481
Arizona projects boost copper production IA J502
U.S.: a critical analysis N J517
Slow progress at Quartz Hill MW J521
Tougher conditions from Kennecott MW J522
Major protocol with U.S. company MW J523
Uranium find in Wyoming IA J526
In need of a White Christmas IA J526
General Dynamics closes Illinois mine IA J526
Silver wraith IA J527
Costs catch up with UMW IA J527
Senate approves offshore mining Bill MW J543
Chattanooga shale: viable deposit IA J546
Bethlehem shuts down five mines IA J546
Senate passes Tin Bill IA J547
Clarksville zinc plant P M551
Park City for Noranda H M613
Satellite co-operation H M615

U.S.S.R.

The Muruntau gold complex MW J024
Cosmic view IA J070
U.S.S.R. tracks phosphate IA J070
Another Ukrainian Mn mine IA J072
Truck-conveyor system for open pits D M077
Construction of large tailings dams in USSR D M078
Sumy iron ore IA J090
Argentinian zinc to U.S.S.R. IA J128
Bacteria mine copper in U.S.S.R. IA J219
Japanese finance for Yakutian coal IA J244
The Kostamus project MW J315
Japanese coal order for USSR IA J342
Russian lignite find H M381
U.S.S.R. reports coal finds IA J425
Russian nodule discoveries H M513
Kazakh iron ore project IA J501
Indian mica for U.S.S.R. IA J503

UPPER VOLTA

Upper Volta gold discovery IA J217

VENEZUELA

New SIDOR units IA J028
More Venezuelan bauxite IA J044
Joint effort to boost conveyor exports to Venezuela IA J444
Venezuelan iron and steel P M553
The market for Venezuelan iron ore D M623

YUGOSLAVIA

More Yugoslavian gypsum IA J149
Zirovski Vrh trials soon H M125
Yugoslav mine expansion H M125
Yugoslav miners train in Sweden IA J223
Yugoslavia: coal, lead-zinc mines IA J267
Waste contract IA J269
World Bank in session MW J293
Yugoslavia's economic problems N J333
Yugoslavs to build Aveling Barford dumptrucks IA J342
Gypsum find in Yugoslavia IA J363
Glogovac development IA J425
Yugoslavian copper production IA J426
Lead mine reconstruction IA J443
Production at Tuzla IA J443
Yugoslav mining contract IA J461
Yugoslav coal developments H M513
Planned expansion at Blagodat H M513
Production at Bucim mine IA J502
Yugoslavian gypsum discovery H M615

ZAIRE

Tenke Fungurume reactivation IA J027
Tenke Fungurume ratification IA J045
Shaba reshuffles H M057
More aid for Benguela IA J109
Zaire investment in tin mining IA J146
SMTF rethink H M277
Belgium aid plan for Zaire IA J299
Expansion at Mazono? H M379
Gecamines forecast 1979 output from Kolwezi IA J546

ZAMBIA

Reserves at Luanshya and Baluba IA J045
Finance for Benguela railway H M055
Copperbelt down to the bone MW J083
Zambia: oil from coal IA J091
Zambian mines pay deal IA J110
Zambian Co expansion H M127
Chingola overburden stripping halted IA J170
Japanese loan to Zambia IA J243
Gold, coal in Zambia H M277
Zambia: Agip starts uranium drilling IA J299
Explosion damages Tazara IA J341
EEC loan for Benguela repairs IA J364
Japanese finance for NCCM H M379
Clear exit for Zambian copper IA J410
Zambian repairs IA J426
Communications attacked MW J439
Temporary rail line for Zambian Cu IA J461
Zambian copper shipment contract IA J462
Retirement benefits for Zambian miners IA J462
Zambian emerald report H M515
EEC Loan for Benguela rail H M515
Tazara out of action H M516
Urgent efforts to move copper MW J475
Czech prospecting in Zambia? IA J479
Loan for Nchanga H M613

ZIMBABWE – RHODESIA

Rhodesian gold mine development? IA J127
Messina will refine copper IA J146
London conference opens MW J211
MTD refinery plan H M379
Rhodesia: back to legality N J493
The final step MW J542

Methods and Machines

ASSAY METHODS

Compact, portable analyser M J008
Portable units for uranium grade determination M J068
Delayed neutron logging M J381
New automatic mass spectrometer M J387
XRF spectrometer suited to mining use M M603

AUTOMATION

Major contract awarded by U.K. NCB M J026
Control system in W. German lignite mine M J441
U.K. company forms monitoring and control group M J442
New high-capacity optical sorter M J499

BLASTHOLE DRILLING

New I-R blasthole rigs M J026
Rotary bits and drill rods from W. Germany M J026
Blasthole drill for coal and quarries M M065
Truck-mounted blasthole drill M J544

BLASTING & EXPLOSIVES

Safer charging of underground blastholes M M061
Nitro Nobel AB-Atlas Powder co-operation IA J092
Electronic blasting equipment M J524

COAL TECHNOLOGY

Combined drill and bulldozer M J088
Vacuum discharge system M J215
Coal handling plant order for GEC IA J268
Babcock-Stearns Roger agreement IA J269
Complete face end system M J339
Hydraulic mining for Rocky Mountain coal A M330
U.K. company's contribution to mining M J407
Mine winder modernisation programme M J424

COMMINUTION

Pedestal-mounted hammer for crushers and draw points M J026
Teething troubles at Caridad? IA J072
New lining system for ball mills M M068
New cone crusher M J088
Ultrasonics safeguard quarry crushers M J215
Large capacity 72in crusher M J423
Gyratory crusher developments A M474
Pedestal-mounted breaker for grizzlies M M528
Mobile crusher for phosphate ore M J525
Vibrating mills for brown coal M M609

COMPUTERS

Computing calcretes in W.A. IA J044
Profit potential evaluated M J317
Computer-based management system M J500

CONVEYORS

New conveyors for Ruhrkohle M J042
Wide belting now manufactured in SA M J107
Two major conveyor installations for Selby M J188
U.S. contract to look at systems able to handle large rocks M J407
Integrated production of Cable Belt M J423
Protecting steel cable conveyors from rip damage A M468
Self-driving rotary belt cleaner M J545
New ore stockyard equipment at Narvik A M576

DIESEL ENGINES

Major manufacturers of mining equipment A M482

DREDGING

"Simon Stevin": a massive new dredger M J477

DRILLING

Versatile hydraulic drifter M J042
Counterflush core drills M J068
Rock drilling seminar A M020
The Frejus tunnel A M027
Box hole boring machine from South Africa M J088
New bit sizes M J089
Landay to distribute Acker IA J092

Mini-desander has exploration applications M J107
Equipment for Jordan phosphate mines M J124
Rotary drill M J145
Shaft enlarging methods using the Alimak rig type CMD A M106
New downhole drill for open pits M M138
Long holes in gold mines M J242
Button bits progress report A M209
Range of units for exploration M J317
Rubber-tracked drill for rough terrain M J441
Multipurpose drill-rig M J500
Truck-mounted blast-hole drill M J544

EDUCATION & TRAINING

Public image E M005
Public relations in the mining industry N J235
Information exchange E M161
Mining beyond 2000 E M319
Sympromines E M407
McCrone Research 1980 IA J547

ELECTRICAL EQUIPMENT

Eliminating trailing cable problems M J043
U.S. - made coal longwall lighting system M J215
Illumination of DC machines M J385
The manufacture of mining equipment A M479
Control unit for vibratory feeder M J544

ENERGY

Hard times for Eastern Europe MW J123
Energy conservation E M087
The energy weakspot MW J167
New energy strategy MW J187
Go-ahead for Spanish nuclear plants IA J191
Solar energy could boost demand MW J264
Diesel engines for mining use M J297
Utilisation of colliery methane M J340
Nova Scotia energy substitution IA J342
Research and development MW J406
Bridging the gap MW J476
Krupp award IA J482
Baseload generators at Selby M J544
Energy and the future E M547

ENVIRONMENTAL CONTROL

Acid test MW J141
McGill re-opens IA J191
Public relations in the mining industry N J235
Pollution in perspective MW J337
Fast, efficient sulphur analysis system for coals M M374
Noise control at Hunterston M M374
Determining airborne contaminant levels M M375
Environmental improvement IA J391
Fume control project in extractive metallurgy M J424
Zinc smelter shutdown? IA J445
Arsenic and Moira Lake IA J445
Emission from mines damages plants IA J445
Fume diluters for diesels M J545
Almaden Mines and its research programme A M586

EXCAVATORS & LOADERS

Third generation hydraulic excavator M J008
New, improved 8yd^3 scooptram M M067
High lift boom adds loading flexibility M M069
Wheel dozer for mining and quarrying M J124
Side-dump crawler loader M J144
International Harvester's largest loader M J168
Good loader performance in Scottish development programme M J266
First RH300 ready for delivery M J361
Swedish loader and artic. dumptruck M J459
Trends in LHD technology A M462
Major manufacturers of mining equipment A M482
New version of modular-design underground loader M M525
Electric drive LHD machines M J524
Facilitating maintenance work on a dragline M M607

EXHIBITIONS & MEETINGS

Blasting seminar IA J029
Geostatistics IA J029
Reno meetings IA J029
Mining and metallurgy technology IA J029
LDGC meeting IA J071
Rock drilling seminar A M020
Energy sources IA J093
Rock mechanics IA J093
26th IGC IA J093
Pb 80 IA J093
Eurotunnel '80 International Exhibition, Basle IA J129
Coal technology '79 IA J129
Future of Junior Mining IA J129
Envitec 80 IA J129
International Environment and Safety IA J129
NWM conference and exhibition IA J150
Wire ropes IA J150
IMM mission and meetings IA J150
XIII International Mineral Processing Congress A M118
Hydrotransport visit to Hansa Hydromine IA J171
Increasing U.S. coal production IA J172
AMM London forum IA J172
McGill seminars IA J172
Computers/operations research IA J172
Tunnelling '82 IA J172
Future of mining in the U.S. IA J192
Economic aspects of precious metals IA J192
Exploration geochemistry IA J192
Caribbean geological conference IA J192
MMIJ-AIME Tokyo meeting IA J192
International construction exhibition '81 IA J192
Stockholm success MW J207
The only option MW J207
International Mining Exhibition, Istanbul M J212
Explosives engineers IA J225
Geostatistical ore reserve estimation IA J225
ILAFA iron ore IA J225
Where east meets west MW J240
Explosive atmospheres IA J245
Conveyor men meet IA J245
Undermining U.S. mineral resources MW J264
Istanbul - highlights and conclusions M J265
Information exchange E M161
Tenth World Mining Congress and Exhibition, Istanbul A M224
Rockstore 80, Stockholm M M293
IMM/AIME meeting M M293
Offshore International-1980 M M295
Energy in Al industry IA J301
Land use and reclamation IA J301
Investment alternatives for the eighties IA J301
Marston Lubricants symposium IA J301
Blasting seminar IA J301
Trading in technology with China IA J301
Conveyor export opportunities IA J301
Mineral economics IA J321
Uranium supply and demand IA J321
Tecnomin '80 IA J321
Powtech 80, Weightec 80 IA J321
Nevada's winter programme IA J321
Applied mineralogy in the mineral industry IA J343
Western Mining conference IA J343
Commodities and bulk shipping in the '80s IA J343
Solidex 80 IA J343
Maximising returns in commodity investment IA J343
Surface mining of stratified deposits IA J365
Excavations and tunnelling IA J365
Fluid engineering IA J365
Material problems of the 80s IA J365
Introduction to geostatistics IA J365
First International Tungsten Symposium A M365
Control systems for mining processing plants IA J410
AIME meeting IA J410
Equipment '81 IA J410
Sira safety IA J427
Rock mechanics IA J427
The energy show IA J427
CESE coal conference IA J427
U.K. national symposium on the availability of strategic minerals MW J437
Geostatistics for exploration IA J445
ECE seminar IA J445
Materials to supply the energy demand IA J445
Agglomeration symposium IA J445
Battery Council International IA J445
Thick and steep seam coal mining IA J445
Environment and safety IA J445
Dust and mineral fibres at work IA J462
Mineral resource management IA J462
International Coal Show IA J462
IMM chromium meeting IA J462
Symprominee E M407
Precious metals sampling and assaying seminar IA J527
Wire rope symposium IA J528
Prospectors and developers IA J528
Geology, properties and uses of sedimentary zeolites IA J528

EXPLORATION

Exploration spending in B.C. and Yukon IA J070
Government aid for mineral exploration MW J122
The role of the United Nations in mineral exploration A M114
Diamond drilling for minerals in Tanzania M J189
New seismograph includes filters M J215
Tenth World Mining Congress and Exhibition, Istanbul A M224
Side-scan radar in Brazil A M354
New seismograph includes filters M J381
Mineral exploration satellite IA J408
Judge's ruling on Baker Lake IA J462
Update on Irish mining and exploration P M413
Multipurpose drill rig M J500

GEOLOGY & ORE RESERVES

International Classification of mineral resources A M295
Natural resources inventory IA J343
Side-scan radar in Brazil A M354
Mining in Federal Republic of Germany A M416
The Agnew nickel project A M556

HEALTH & WELFARE

Metal exposure study H M125
A test of fibre MW J378
Heavy-duty air conditioner M J385
Kennedy Bill for uranium miners IA J391
New smelter process to cut SO_2 IA J548
Health and safety for the mining industry IA J548
Almaden Mines and its research programme A M586

LABOUR

Port Colborne contract IA J014
Australian ports strike IA J014
Alcan port workers settle - smelter strike continues IA J029
Week long coal strike in Queensland IA J029
Tara strike IA J029
Almaden struck IA J045
Negotiations in Eire IA J046
Negotiations in Canada IA J046
Tribunal for Queensland colliers IA J046
Balmat, Beralt back to work IA J046
Trial coalface for Deep Duffryn IA J046
ILO on migrants IA J046
Peruvian protest? IA J047
Chilean copper miners not impressed IA J073
Appin disaster IA J073
Better news for uranium IA J073
Guymines strike IA J092
Problems for Placer, Inco IA J092
Chileam wage rises IA J092
Australian ports strike IA J092
Hamersley strike ends IA J110
Australian ports strike IA J110
Chile: new labour law discriminates IA J110
Zambian mines pay deal IA J110
Alcan smelter talks stalled IA J110
Christmas Island: wage rises granted IA J128
Guymines strike continues IA J128
Ilo state of emergency IA J128
Monterrey strike averted IA J149
Equity reprieve IA J149
Guymine strike ends IA J171
Alcan smelter talks continue IA J171
Rotterdam port strike IA J171
Walk-outs at Horne IA J171
Deep Duffryn will close IA J192
Alcan: Quebec strike settlement IA J192
Rotterdam port strike goes on IA J192
Strike at Port Nickel IA J192
Brenda workers seek parity with Cominco IA J223
Rotterdam strike IA J223
Sydney will lay off 800 in Nova Scotia IA J223
Yugoslav miners train in Sweden IA J223
Ilo emergency continues IA J225
Australian uranium: union opposition IA J244
Another Chile boycott IA J245
Centromin refinery strike IA J245
Strike enters fourth week IA J245
New Contract IA J245
Horne settlement IA J245
Brenda Mines strike IA J245
Rotterdam dock strike over IA J269
Peruvian strike postponed IA J269
Guyana strike costs IA J269
Rhine miners demand 8% wage increase IA J299
Brenda Mines tentative agreement IA J321
Golborne explosion investigation IA J321
Endako miners continue strike IA J321
Kaiser closures IA J321
Brenda Mine workers return IA J343
Court orders UMW to pay damages IA J343
End to Rotterdam tugboat strike IA J343
Panama dockers return IA J343
Gold miners ordered back to work IA J343
Inco confirms Clydach strike IA J364
Ghanaian miners end strike IA J365
New contracts end disputes IA J365
Jamaican rail strike solution IA J389
Endako agreement IA J391
Contract for Alcan Quebec workers IA J391
Brazil metalworkers strike IA J391
Mining unions seek interim pay rise MW J405
Government key to Hunterston settlement? IA J410
New contract for Endako workers IA J410
Hay Point coal loader dispute IA J410
First shipment unloaded at Hunterston IA J427
Clydach strike talks IA J427
Mt. Newman wage deal IA J427
Alcan workers reject contract IA J427
More trouble for Jamaican railways IA J427
Polish mine disaster IA J444
Copper miners reject offer IA J444
Shawinigan stoppage IA J445
South Wales strike call IA J445
New contract for Craigmont IA J445
Guatemalan labout dispute IA J445
Production halted at Bougainville IA J462
Retirement benefits for Zambian miners IA J462
Agreement brings end to Guatemalan dispute IA J462
Dublin strike stops Tara exports IA J462
Dockers turn away coal IA J482
Shawinigan illegal strike over IA J482
Bougainville strike ends IA J482
Talks on Clydach nickel refinery adjourned IA J503
Two miners killed in Yorks. pit disaster IA J503
Coal ship docks following BSC promise IA J503
Costs catch up with UMW IA J527
Hungarian mine disaster IA J527

LEACHING

Ammonia leaching studies D M078

MAINTENANCE

Monitoring condition of off-highway vehicles in situ M M137
Tyre handler lessens downtime M J265
Keeping processing machinery clean and serviceable M J361
Facilitating maintenance work on a dragline M M607

MECHANICAL HANDLING

Rapid loading system at Bevercotes M J107
"World's latgest" ship unloader M J241
Providing an even mineral stream M M371
Giant shiploader at Hunterston M J407
Carnallite harvester for Jordan M J441
Major manufacturers of mining equipment A M482
Robust tractor loaders M J478
Nuclear feeder controls fluidising materials M J500
New ore stockyard equipment at Narvik A M576

METALLURGY

Fluor: new metallurgy laboratory IA J320
Plasma process for sponge iron M M529
HI wet magnetic separators M M529

MINE HOISTING

Manufacture of mining equipment A M479

MINERAL PROCESSING

Oil shale process M J068
Thin film gravity concentrating devices A M032
Mill discharge liners M J088
Gold extraction M J144
Direct iron ore reduction plants for developing nations M M131

Compact on-stream analysis system aids mill performance M M132
Steels with sound-deadening properties M M133
Heavy duty units in South Africa M J168
Photometric sorting M J168
Experience with Jones' separator A M199
Tenth World Mining Congress and Exhibition, Istanbul A M224
Swedish solution to Canadian refractory problems? M J296
High-intensity wet magnetic separation M J297
Double-drum wet magnetic separator for iron ore M J339
Mining beyond 2000 E M319
Wheal Jane refurbishment M J441
Kiln for roasting, calcination and reduction of ores and minerals M J442
Major manufacturers of mining equipment A M482
Large magnetic separator M J545
New U.K. precious metals refinery A M570
Rotary driers for bulk materials M M607
New techniques for studying adsorption mechanisms in flotation D M623
Beneficiation of minerals by gravity - some observations D M624

OFFSHORE MINING

LOSC resumes IA J071
U.S. Seabed Mining Bill IA J090
Law of the Sea: decision next year? IA J127
Law of the Sea deadline IA J170
Seabed mining tax IA J268
Indian Ocean - French mission finds nodules IA J341
Mining beyond 2000 E M319
Marine magnetometer system M J381
Japan to survey seabed IA J388
Senate approves offshore mining Bill MW J543

OPENCAST MINING

Tyre changing on large off-highway trucks M J042
Woodlawn in production A M014
Opencast coal in Burgundy A M041
Truck-conveyor system for open pits D M077
International Mining Exhibition, Istanbul M J212
South African walking dragline M J241
Tenth World Mining Congress and Exhibition, Istanbul A M224
Dumptruck range demonstrated in U.K. M J296
U.K.-made walking draglines M J318
Mining beyond 2000 E M319
Hemerdon - Britain's largest tungsten deposit A M342
Mining in Federal Republic of Germany A M416

PIPELINES

Pipe assembly without preparation M J189
Coupling for mineral slurry pipelines M J318

PNEUMATICS & HYDRAULICS

Liquid nitrogen power source M J069
Slurry handling system in Europe M J125
Hydraulic mining for Rocky Mountain coal A M330

POLITICO-ECONOMIC

Common strategy from Tokyo N J001
French supply strategy IA J013
Impetus for European coal N J021
Carter into battle N J037
U.K. Commodity Centre plan in peril N J061
Public image E M005
Ifs and buts for silver N J081
Saharan crunch IA J091
If the price is right? MW J106
U.S. - pause for reflection N J119
Spector reports MW J122
Hard times for Eastern Europe MW J123
Law of the Sea decision next year? IA J127
Lead's changing market N J137
The role of the United Nations in mineral exploration A M114
Creeping recession N J161
On the march again MW J165
Law of the Sea deadline IA J170
Mineral markets analysis N J181
Turkey: no easy road N J201
U.S. mineral policy review: another step? N J203
London conference opens MW J211
IMF: no economic panaceas N J233
General Dynamics holds out IA J268
Copper: a case for the bulls N J289
World Bank in session MW J293
Yugoslavia's economic problems N J333
Non-ferrous metals - the outlook N J353
Minerals and investment N J373
Exchange control regulations MW J378
A setback for Bolivia N J401
New law to boost mining in Argentina MW J405
China interlude N J417
Mining industry nationalised MW J421
Spain's mining plan 1979-87 N J435
Communications attacked MW J439
New mining code for Malaysia IA J482
Ghanaian mining industries to be rehabilitated by government IA J482
Rhodesia: back to legality N J493
More investment needed MW J495
Non-ferrous imports to fall MW J497
U.S.: a critical analysis N J517
New funding for a bigger stockpile MW J522
Romania's Mining Minister ousted IA J527
1979 - oil called the tune N J537
The final step MW J542
Energy and the future E M547

PROSPECTING

Sampler for deep geochemical work N J009

PUBLICATIONS

Roskill's Metals Databook IA J074
Canadian mining IA J074
Iron & steel works of the world IA J074
Minerals processing guide IA J074
Air and water pollution IA J074
Offshore mineral resources IA J074
Landslides: analysis and control IA J074
Atlas of Economic Mineral Deposits R M050
Mining geostatistics R M050
E/MJ operating handbook of mineral underground mining R M050
Rock mechanics, 1979 R M050
Dynamic methods in soil and rock mechanics R M051
Numerical methods in geomechanics, Aachen 1979 R M051
Ontario Mining Law Guide IA J110
Interpreting magnetics IA J110
Computer modelling gravity/magnetics IA J110
IEA energy policies IA J110
BMR Yearbook IA J150
Diesel and electric plant protection IA J150
MHEA manual - French edition IA J150
Australian Mining and Petroleum Laws R M145
The Soviet energy system R M145
Factor substitution and biased technical change in the Canadian mining industry R M145
The Durham coalfield R M145
The Alderley Edge mines R M145
The mines of Montgomery and Radnorshire R M145
The Llandudno copper mines R M146
Platinum metals study IA J225
Johnson's Mining Year Book IA J225
Fe + Zn 16 IA J225
Geoscience information IA J225
IGS (NERC) - regional geochemical data IA J269
Loading and transport IA J269
Sponsored films IA J269
Irish offshore and mining directory IA J269
Commodity markets IA J269
Ontario mineral policy papers IA J269
Tin from Malaysia IA J269
The role of the mining journalist R M283
The Indonesian mining industry - its present and future R M287
Copper: the next fifteen years R M287
1979-80 World mines register R M289
Terminology of remote control and automation in Mining R M289
Digest of mining claim laws R M289
Environmental impact of mining in Canada R M289
Major companies IA J300
The Race is On IA J300
Copper metallurgy IA J300
Cobalt supply and demand IA J300
Diamond Research 1979 IA J300
Coal in South Saskatchewan IA J301
Alluvial mining brochure IA J343
EPRI report IA J343
Steam coal: prospects to 2000 R M363
Mining oil & gas explained R M363
The World copper industry R M363
Remote sensing of earth resources IA J391
Geochemistry of gold IA J391
Underground support systems IA J391
Miners' reunion IA J391
Mineral reconnaissance programme report IA J427
Diamond exploration Australia IA J427
World coal resources IA J427
Sea-bed minerals IA J427
Battery systems in the 80s IA J427
Mineral processing technology R M519
The circumpolar North R M519
Coal liquefaction processes R M519
New survey of current reporting practice MF J515
Mineral reconnaissance programme report IA J528
Access 1979 IA J528
Gold and silver guide IA J528
Heavy Industry construction services IA J528
Les Sediments Superficiels de la Manche IA J528
International minerals/metals review IA J528
Projects 1978-79 IA J528
Lloyd's shipping forecast IA J528
Perlite report IA J528
Metals databook IA J548
Gulf of Mexico reports IA J548
A technology apart IA J548
Killary Glebe and Ballymacilroy IA J548
Sampling of particulate materials - theory and practice R M598
Techniques in mineral exploration R M598
Western Mining Directory R M598
International molybdenum encyclopaedia R M599

PUMPING & DRAINAGE

High head pumps for mines M J010
Jet pump system for offshore mining M M069
Considerations in handling slurries M M135
High lift units for gold mine M J478
No maintenance units for mining M J544

RESEARCH

Subsidence study for USDOE IA J047
New gasification process IA J047
USBM to test nickel process IA J047
Help for Woodsreef? IA J047
Coal-fired MHD power project IA J047
Research and development - Solar energy MW J406
Portable gold assay analyser IA J482
Krupp award IA J482
PCS invest in soil research project IA J547
McCrone Research 1980 IA J547
New separating device designed in Poland IA J548

ROOF SUPPORTS

Moving longwall roof supports M J009
New manufacturing unit opened M J296
Effective roofbolting in S.A. M J387

RUBBER & PLASTICS

Suspended rubber box liner for dumptrucks M M526

SAFETY

Cable/hose crossovers for mines and quarries M J124
New U.S. mine safety standards IA J171
Golborne explosion investigation IA J321
New mine filming regulations IA J365
Korean mine disaster IA J391
Fatal accidents at Quarries show increase IA J548

SCREENING

Novel drive principle M J387
New high-capacity optical sorter M J499

SHAFT SINKING

Plumb line winch for deep shafts M J241
Progress at Riccall shafts, Selby M J317
Supporting methods for raise bored shafts A M453
Methods used at An der Haard A M455
Sinking the Prosper No. 10 shaft A M459
Pilot shafts: a raise-driving technique new to coal D M534

SURVEYING

Chile surveys boundaries IA J126
Jordan survey IA J126
Side-scan radar in Brazil A M354
Hunting to evaluate SEASAT-I data IA J481

TAXATION & TARIFFS

Japanese study sliding tariff IA J480
Tax reminder IA J481

TRADE & STATISTICS

Adequate aluminium supplies N J002
Mine production rising MW J023
Shortages and rising prices ahead? MW J024
Recent achievements, future ventures MW J025
Argentine mineral exports IA J029
Cobalt - flying high MW J039
Seaborne mineral trade in the 1980s N J062
Set fair for nickel? N J117
Indian non-ferrous production up IA J127
Mineral markets analysis N J181
Cyprus mining exports fall IA J245
Seaborne coal N J257
Sound base for platinum N J309
Non-ferrous metals - the outlook N J353
Downturn predicted MW J359
Minerals and investment N J373
Australian mineral production up IA J388
Argentina: mineral exports up IA J389
Tightening squeeze on titanium N J433
Metals in 1980 N J453
Copper, nickel, cobalt availability N J469
Outlook uncertain MW J475
All but gold show increase IA J480
Manoeuvres begin for 1980 price target MW J497
Lead and zinc figures for non-Socialist world IA J546

TRANSPORT - GENERAL

Seaborne mineral trade 'n the 1980s N J062
Truck transport at Skibotn M M061
New 120-ton end dump truck M M065
Tenth World Mining Congress and Exhibition, Istanbul A M224
Mine locos feature solid state control centres M J339
Explosion damages Tazara IA J341
Articulated ore carrier M M371
Zambian repairs IA J426
New ship for Japanese exploration IA J460
Temporary rail line for Zambian Cu IA J461
Special steels for coal hauler M M527
Improvements to Swedish dumptruck M M527
Heat resistant off-the-road tyre M J478
New ore stockyard equipment at Narvik A M576

TRANSPORT - UNDERGROUND

New low-profile carrier M J125
Successful electric LHD from W. Germany M J242
Personnel carrier introduced in U.S.A. M J265
Range of underground units M M528

TUNNELLING

The Frejus tunnel A M027
Tunnelling support equipment M M067
Tunnelling machine for W. German colliery M J241

UNDERGROUND MINING

Radio-controlled LHD loaders M J008
Major Swedish mining equipment order for China completed M J042
Water drainage system for compressed air networks M J068
U.K.-made shearer impresses in SA coal mine M J124
Longwall shearer sensor M J144
Shaft enlarging methods using the Alimak rig type CMD A M106
Mechanised packing in U.K. colliery M M137
International Mining Exhibition, Istanbul M J212
Underground limestone mining at Dalen A M172

Tenth World Mining Congress and Exhibition, Istanbul A M224
More equipment made locally in S.A. M J339
Hydraulic mining for Rocky Mountain coal A M330
Mammoth potash machine for FRG M J385
LHDs for SA copper mine M J423
Grout pumping system M J441
Mining in Federal Republic of Germany A M416
The Agnew nickel project A M556

VENTILATION & DUST CONTROL

Roof drill dust collectors N M068
Turbine for use in mines N J089
Ventilation fans W J145
Methods for intensified stone-dusting of mine roadways D M147
Lightweight methane detector N J188
Twin high pressure fan system for fiery mines N J383
New design of dust filter N J500
Dust-free loading N J524

Companies and Other Public Bodies

A

Aberfoyle MF J346
P M327 IA J526
Acker Drill IA J092
M J145
AECI Ltd. M J524
Aeroquip Corp. M J318
Agnico-Eagle MF J016
MF J227
Alcan Aluminium IA J029
IA J171 MF J254 IA J391
NW J455 IA J546
Alcoa IA J109
IA J425 MF J449 MF J490
MF J549
Allis-Chalmers A M016
A M563
Alluvial Mining M M069
Almaden Mines A M586
Amalgamated Tin Mines of Nigeria ME J465
MF J466
Amax Exploration P M009
Amax Inc. MF J020
MF J098 MF J196 MF J249
MF J387 A M342 MF J515
American Borate Co. IA J128
American Cyanamid Co. M J124
American Mining Congress NW J264
American Smelting and Refining Co. (Asarco) IA J028
MF J115 IA J320 MF J397
IA J426
Amey Roadstone MF J350
Amoco IA J090
Anaconda IA J091
IA J299
Anderson Strathclyde IA J092
M J124 M J188 M J442
Anglo American Coal Corp. IA J300
NW J473
Anglo American Corp. MF J077
ME J113 MF J114 NW J313
MF J368 P M325 MF J531
ME J532
Anglo American Investment Trust MF J179
Anglovaal MF J052
MF J348 IA J389 MF J412
APV Kestner South Africa M J144
Arco IA J073
Asbestos Corp. IA J013
IA J090 IA J319 IA J410
IA J443 IA J481 IA J527
Associated Minerals MF J328
Association of British Mining Equipment Cos. NW J066
Atlantic Richfield Co. MF J431
Atlas Consolidated Mining and Development Corp. MF J057
Atlas Copco IA J029
A M015 A M020 A M027
A M099 M J189 A M177
A M561
Atlas Powder Co. IA J092
Australian Consolidated Minerals MF J448
Australian Mining and Smelting MF J329
Aveling Barford IA J342
Ayer Hitam MF J369
ME J396

B

Babcock Hydraulic Handling M J125
Babcock Minerals Engineering M J107
Barlow Rand MF J485
Barringer Research M J381
Bartles-Mozley A M032
Basic Resources International MF J032
Begg, Cousland M J500
Behre Dolbear & Co. Inc. A M032
Beralt Tin & Wolfram A M096
MF J329
Berjuntai Tin MF J175
ME J176
Bethlehem Steel A M192
BH South MF J231
MF J329
Blyvooruitzicht Gold Mining ME J274
MF J277
Boart Drilling M J242
Boliden MF J016
IA J245 MF J247 MF J534
Bond Corporation MF J552
Bonner A M177
Botswana RST MF J175
Bougainville Copper MF J099
MF J152 IA J462
Bourne Sales (Australia) M J500
Boxmag Rapid M J297
M M529
BP Minerals IA J044
Bridgestone Tyre Co. M J478
Brinco IA J108
MF J307 IA J341
British Petroleum NW J085
P M553
British Ropeway Engineering M J407
British Smelter Construction Ltd. IA J014
British Steel Corporation MF J050
IA J149 IA J389
Broken Hill Proprietary MF J078
MF J304 IA J410
Broken Hill South MF J429
Bucyrus-Erie M J241
A M192
Bula IA J461
Bureau de Recherches Geologiques et Minieres IA J045
A M219
Bureau of Mines IA J109

C

Cable Belt IA J343 M J188
M J423
Cahn Instrument Co. M M375
Camflo Mines MF J162
Camline Systems M J088
Campbell Chibougamau MF J303
Campbell Red Lake Mines MF J227
Canadian Institute of Mining and Metallurgy NW J337
Cape Industries MF J018
MF J329
Capital Castings M M068
Carboloy Mining Products M J144
Carr Boyd Minerals IA J388
Caterpillar A M015
A M042 M J124 M J265
A M175 A M192 A M429
A M561
Cementation Mining M J317
Central Selling Organisation IA J046
Centromin IA J299
Charter-CJB Mineral Services IA J128
Charter Consolidated MF J017
MF J052 ME J053 MF J331
MF J345
Cities Service Co. NW J237
Cobre Panama SA IA J027
Codelco IA J014
B M123
Colorado Geological Survey IA J070
Columbia Scientific Instruments M J008
Comalco MF J133
Cominco MF J096
MF J254 P M327 MF J397
MF J420 NW J439 P M555
Compagnie Royale Asturienne des Mines MF J095
ComPair A M099
Cia de Acero del Pacifico SA MF J076
Companhia Vale do Rio Doce MF J179
IA J191
Conrad-Stork B.V. M J068
Consolidated Gold Fields MF J096
MF J328 MF J393
Consolidated Gold Fields Australia MF J194
MF J431
Consolidated Rutile MF J430
Construction Technology Inc. M J026
M M528
Control Data Corp. M J317
Conzinc Riotinto of Australia MF J199
MF J228 MF J288 P M167
MF J431
Conzinc Riotinto of Malaysia IA J044
Cordem Corporation M J242
Costain Australia IA J547
Craigmont Mines MF J099
MF J467
Crouse-Hinds Co. M J385
CSR MF J017
MF J430 MF J467
Cyprus Anvil IA J268
IA J342
Cyprus Mines Corp. MF J098
MF J174

D

Dames and Moore IA J047
Dart Truck Co. M M065
De Beers IA J092
MF J155 IA J171
Delkor Technik AG IA J300
Denison Mines MF J076
Deutsche Solvay-Werke A M437
DJB Engineering A M429
Dome Mines MF J227
Donaldson Co. Inc. M M068
Doornfontein MF J249
ME J250
Dowa Mining IA J319
Dowty Mining IA J461
Dresser Industries IA J269
M J317
Dubai Aluminium MW J103
Dunlop Industrial M J107
Duval Corp. IA J443

E

EDA Instruments M J068
East Malartic Mines MF J179
EG & G geoMetrics M J381
Eimco M J042
M J043 M J088 A M099
M M137 M J266 M J339
M J387 M J423 A M423
A M429
Eldorado Nuclear MF J467
El-Jay Inc. M J423
Emperor Mines MF J431
Endeavour Resources MF J485
Engson M M5[illegible]
Envirotech M J168
M J478
Esch-Werke KG M J088
European Economic Community IA J244
IA J364 NW J457
European Zinc Institute IA J300
Exxon Minerals IA J045
IA J070 IA J245
EZ Industries MF J530

F

Falconbridge Nickel MF J196
MF J465
Federal Resources Corp. MF J515
Fiat-Allis A M043
Fisher Scientific Co. M M374
Fluor Mining & Metals IA J128
IA J223 IA J320
Fodens M J296
Frank R. Milliken Mine P M165
Freeport Minerals MF J112
MF J447
Free State Saaiplaas IA J012
ME J350 MF J351
Furukawa IA J128

G

Gardner-Denver M M065
A M192
Gecamines IA J546
GEC Electrical Projects IA J389
M J424
GEC Mechanical Handling IA J268
IA J321 M J544
General Mining MF J077
MF J230 MF J368 MF J534
Geological Survey of India IA J070
IA J443
Geomines MF J512
Geosource Inc. M J107
Getman Corp. M J425
M M371
GHH Sterkrade M J242
A M423 A M429 A M462
M J524
Gibraltar Mines MF J018
GMT (Gyro Mining Transport) Ltd. M J069
Gold Fields American Corp. MF J098
Gold Fields of South Africa IA J028
MF J033 MF J159 MF J248
ME J272 MF J281 MF J325
P M409
Goodbary Engineering M J042
Goodman Equipment Corp. M J339
Granges International Mining A M192
Gulf Resources and Chemical Corp. MF J057
Gullick Dobson M J296
Gunson's Sortex M J499

H

Halifax Tool Co. M J089
M J124
Hamersley Iron Pty. P M011
Hampton Gold Mining Areas MF J079
MF J112
Hanna Mining MF J194
MF J446
R. A. Hanson Co. Inc. M J407
M J441
Harmony Gold Mining MF J276
Harnischfeger (P & H) ME J282
A M192 MF J306
Hartebeestfontein MF J280
ME J284
Haskel Energy Systems M J545
Hawker Siddeley Dynamics Engineering W J026
Hazemag M M607
Hecla Mining MF J019
MF J304 MF J551
Highmont Mining Corp. MF J116
MF J179
Highveld Steel and Vanadium MF J273
Homestake Mining IA J090
Hudson Bay Mining and Smelting P M094
MF J124 MF J398
Hudson Bay Oil and Gas P M415
Hunting Geology and Geophysics IA J481

I

ICI Acoustics M M374
Imetal MF J197
MF J368
Impala Platinum MF J131
ME J134 MF J271 ME J286
INAX Instruments M M132
Industrias Penoles SA de CV MF J095
Ingersoll-Rand M J026
A M016 M M138
Inland Steel MF J276
MF J513
Inspiration Consolidated Copper MF J306
Institution of Mining and Metallurgy M J469
International Harvester M M069
International Iron and Steel Institute IA J072
International Labour Organisation IA J047
International Lead-Zinc Study Group IA J072
International Minerals & Chemical Corp. IA J071
IA J320
International Monetary Fund IA J221
M J233
International Nickel Co. IA J092
MF J132 IA J245 NW J291
IA J341 IA J364 MF J369
IA J548
International Primary Aluminium Inst. IA J300
International Tin Council NW J067
Interreducta AG M J442
Iron and Steel Industrial Corp. (Iscor) MF J549
IRT Corporation M J381

J

James Howden & Co. M J145
Johannesburg Consolidated Investment MF J052
MF J174 ME J178 MF J348
MF J414 MF J448 ME J450
Johnson Matthey NW J359
A M570

K

Kaiser Aluminum MF J078
M M279 MF J369
Kaiser Engineers P M167
IA J343
Kaiser Steel IA J170
MF J535
Kali and Salz AG A M437
Kampong Lanjut Tin Dredging Berhad MF J050
ME J056
Kamunting Tin Dredging MF J153
ME J155
Kawasaki Steel Corp. IA J071
Kemira Oy NW J040
P M409
Kennecott Copper MF J078
NW J121 IA J365 MF J429
NW J522

Kerr Addison IA J091
NW J259 MF J466
KHD Humboldt Wedag P M411
A M199 IA J012
Kinergy Corp. M M609
Kinta Kellas Tin Dredging Co. M J387
Kloof MF J050
MF J248
ME J251
Kramat Tin Dredging Berhad M M527
Krebs MF J049
Fried. Krupp GmbH ME J052
A M015 A M192 A M016
A M440 A M474 M J042
Krupp Widia Fabrik M J339
Kuala Lumpur Tin Fields Berhad M J545
M J026
MF J050
ME J051

L

Lacana Mining MF J280
Laporte Industries MF J307
Lepanto Consolidated Mining IA J012
Libanon MF J248
ME J252
Liberian American-Swedish Minerals Co. (LAMCO) A M192
Linden-Alimak M J042
A M103 A M106 A M423
Lindustries IA J320
LKAB P M093
M J296
Lornex Mining MF J098
Lower Perak Tin MF J175
ME J176
Lurgi Chemie IA J028
P M553
Lydenburg Platinum MF J331

M

Malayan Tin Dredging MF J466
ME J490
Malaysia Mining Corp. IA J027
MF J159 MF J515
Mannesmann Demag Baumaschinen M J008
M J241
Marathon LeTourneau M M137
Marinduque Mining IA J028
IA J045 MF J154
Marion Power Shovel IA J092
Marubeni Corp. IA J443
IA J480
Mary Kathleen Uranium MF J098
MF J174
Marlow Drilling Services M J009
Matthew Hall Ortech IA J364
Metallgesellschaft A M426
Metallurgie Hoboken-Overpelt SA IA J409
Midrex Corporation M M131
P M553
Midwest International M J524
MIM Holdings MF J099
MF J227 NW J455 IA J461
Mineracao Vale do Paranaiba MF J255
Mineral Industry Research Org. M J424
The Mining Association of the United Kingdom ME J496
Mining Developments Ltd. M J144
M M525
Mining Transportation Co.AB M M061
Minorco MF J331
MF J394
Mirrlees Blackstone M J297
Mitsubishi Corp. IA J147
Mitsui Mining and Smelting IA J223
IA J426
Montabert A M027
A M177
Morgardshammar A M192
Mt. Isa Mines IA J071
A M556
Mount Lyell Mining MF J486
Mt. Newman Mining Co. P M011

N

National Coal Board M J107
P M163 M J340 IA J343
M J383 IA J389 IA J409
P M551
National Mine Service Co. M J188
M J215 M J385
Nchanga Consolidated Copper IA J011
MF J323 IA J342 MF J489
Neptune Mining IA J410
New Broken Hill A M014
New Jersey Zinc P M551
Newmont Mining MF J099
MF J449
New Zealand Steel MF J351
Nitro Nobel A M020
M M061 IA J092
NL Industries MF J034
Noise Control International M M133
Noranda Mines MF J099
IA J190 IA J299 IA J341
IA J443
Norcem A M172
Normet A M429
North Broken Hill MF J195
MF J325 MF J431
Northern Mining MF J511
Northgate Exploration MF J032
MF J158 MF J346 MF J464
NRD Mining IA J028
Nuclear Dynamics IA J460

O

Oakbridge Ltd. IA J409
MF J413
Occidental Petroleum NW J005
O'okiep Copper IA J443
Orenstein & Koppel M J361
A M429 A M440
Ore Sorters (Canada) M J168
Outokumpu IA J480

P

Pacific Tin MF J229
Palabora Mining MF J156
NW J163 MF J430
Patino NV MF J271
Paus A M427
Pechiney IA J221
IA J365
Peko Wallsend IA J029
MF J179 MF J348
Penarroya SA IA J319
Perard Engineering M J069
Perusyhtyma Oy M J008
Petbow M J544
Phelps Dodge A M014
MF J135 IA J365 MF J398
MF J467
Philex Mining Corporation MF J157
Philips M M603
Phoenix Corp. IA J363
Pine Point Mines MF J451
Placer IA J092
MF J307 IA J391 MF J467
Plessey IA J128
Poclain A M043
Pohang Iron & Steel IA J148
Pohlig-Heckel-Bleichert M J241
A M576
Potash Corporation of Saskatchewan MF J412
IA J547
President Brand ME J350
MF J351
William Press & Son Ltd. M J441
IA J461
Preussag AG Metall A M420
Prieska Copper Mines ME J230
MF J231
Primary Tungsten Association A M365
Prosser Industries M J010
Psimat Ltd. M J361
Pullen Pumps Ltd. M J089

Q

Queensland Mines IA J320

R

Rahman Hydraulic Tin MF J466
Ramsey Engineering Co. M J500
Rand Mines MF J052
MF J347
Ransomes & Rapier M M607
J. S. Redpath Corp. IA J443
Renold Ltd. M J407
Rheinische Braunkohlenwerke A M440
M M609
Rio Algom MW J065
MF J135 MW J259 P M411
MF J535
Rio Tinto Minera IA J044
Rio Tinto-Zinc MF J254
ME J278 MF J285 P M169
MF J393
Rock Fall Co. M J441
Roman Corp. IA J090
Rosario Resources MF J133
NW J357 MF J431 MF J552
P M555
Royal Volker Stevin M J477
Ruhrkohle AG A M446
Rustenburg Platinum MF J307
MF J324 ME J326
Ruston-Bucyrus M J318
IA J527

S

S & S Corp. M J009
M J265 M M528
St. Joe Minerals IA J011
MF J115 MF J430 IA J461
St. Joseph International Exploration A M014
St. Piran Group MF J466
Salzgitter A M436
Samancor IA J321
Sandvik A M020
Sasol MF J098
MW J357 P M551
Sekram M J544
Schwarz-Holywell M J545
Secuma A M103
Selco Mining Corp. P M415
Selection Trust P M091
MF J179 MF J271
Seltrust Holdings IA J149
A M556
Sentrust Ltd. MF J304
Shell IA J090
Sherritt Gordon MF J196
Sibeka MF J049
ME J054
Siderurgica del Orinoco C.A. (SIDOR) P M553
Siemens M J441
Sigma Mines (Quebec) MF J227
Silvermines MF J255
MF J305
Simpact Systems M J500
SKF Steel M M529
Smith Boart (Pty) M J088
Societe Le Nickel MF J368
Societe Quebecoise d'Exploitation Miniere (Soquem) MF J131
South Crofty MF J323
South Roodepoort MW J006
MF J449
Southern Kinta Consolidated MF J153
ME J156
Southern Malayan Tin MF J466
ME J489
Standard Oil MF J098
Stora Kopparberg IA J091
Straits Trading Co. MF J307
Stuart Turner M J544
Sudwestdeutsche Salzwerke A M437
Sumitomo Heavy Industries IA J047
IA J109
Sungei Besi Mines MF J153
ME J154
Sunshine Mining MF J486
MF J551
Symons Corp. M M067
Syncrude Canada Ltd. IA J012

T

Tampella A M099
A M427
Tanjong Tin Dredging Ltd. MF J057
Tanks Consolidated Investments MF J097
Tantalum Mining Corp. IA J027
A M032 IA J409
Tara Mines IA J013
IA J029
Technion M J068
Teck Corporation MF J116
MF J179 MF J247 IA J341
MF J371 IA J479 MF J490
Tennant Nordic Alloys Ltd. IA J444
Terex A M192
Texasgulf MF J176
MF J552
Thyssen Schachtbau A M453
A M561
Tongkah Harbour Tin Dredging ME J512
MF J513
Tube-Lok Products M J385

U

UNC Resources MF J155
Unctad IA J029
NW J263 IA J268 IA J365
Union Carbide IA J363
Union Corporation MF J077
MF J177 MF J369 MF J507
ME J508 NW J521
Union Miniere P M551
Uniroyal Chemical M J088
Unisel Gold Mines P M323
United Keno Hill Mines MF J228
United Nations IA J071
A M114 IA J526
Uranium Institute NW J207

V

Vaal Reefs P M091
Valiant Consolidated IA J027
Vecor Engineering M J241
Venterspost MF J248
ME J252
VG-Micromass M J387
Vibranetics Inc. M M371
Vickers Engineering M J068
Victaulic Co. M J189
Vieille-Montagne MF J056
Volvo M J459
M M527

W

Wabco A M192
M M527
Wagner Mining Equipment M M067
Waldon Inc. M J478
Wankie Colliery MF J551
Watsas A M563
Webster Machine Co. M J339
Weserhutte IA J128
IA J343 IA J409 M J525
West Driefontein MF J248
ME J253 MW J261
Western Mines MF J487
Western Mining IA J090
MF J152 MF J329 MF J367
P M553 A M561
Westinghouse Electric Corp. IA J110
IA J299 MW J338 IA J341
IA J367
Witbank Colliery Ltd. MF J464
Woodsreef Mines IA J047
World Mining Congress MW J240
Worthington Pumps Inc. M M135

Z

Zambia Copper Investments MF J395
Zapata Corp. MF J415
MF J536

PRINTED AND PUBLISHED BY THE MINING JOURNAL LIMITED,

15 WILSON STREET, LONDON EC2M 2TR, ENGLAND